

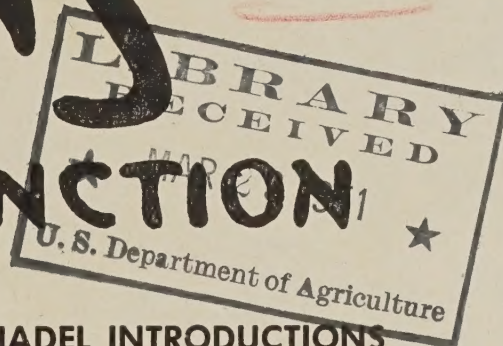
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DAHLIAS

OF
QUALITY AND DISTINCTION

1951



DAHLIADEL INTRODUCTIONS 1951



ARTHUR GODFREY

ARTHUR GODFREY (Pitt-Dahl 86A), FD, Bloom 12 x 6, Bush 4 ft. This is the dahlia exciting all the Ohs and Ahs for its immense size and wish you could hear the comments. Another redhead surely pleased the owner of the name too. It is a beautiful Orient red with orange or buff shadings. On 3 Honor Rolls, and Certified at Atlanta and Rutgers, where it grew 13½ inches. We believe it is the largest Formal Decorative ever grown. It was only shown in the New Jersey Show this year and won there as the largest bloom. Grows 11 x 6 not disbudded in ordinary field culture. Wonderful vitality, rugged foliage, and blooms from early to late. Don't miss this for the largest bloom class.

Root, \$15.00 NET; Pot Root, \$10.00 NET; Plant, \$7.50

WHIZ KID (Alleva-Dahl 86A), ID, Bloom 12 x 8, Bush 5 ft. Winner of the Gold Medal Sweepstakes Award, the highest Seedling Award for the year with 16 contenders. Surely a wonderful achievement. The year BIG DAN was shown and won an Achievement Medal it threw a pink sport so beautiful it is making this thrilling debut. Whiz Kid, a lovely Egyptian buff undertone shaded and suffused coral pink with broad wavy petals, may, in a few instances, revert to Big Dan. It should however be true in 9 out of 10 cases, and should it revert you will be getting Big Dan the season ahead of Introduction. Won Achievement Medals at N. Y., Baltimore and Burholme besides other winnings in the Open to All Classes. On 3 Honor Rolls, and Certified at Md. Trial Grounds. Fine stems and wonderful bush growth. Only a few roots left as catalog goes to press.

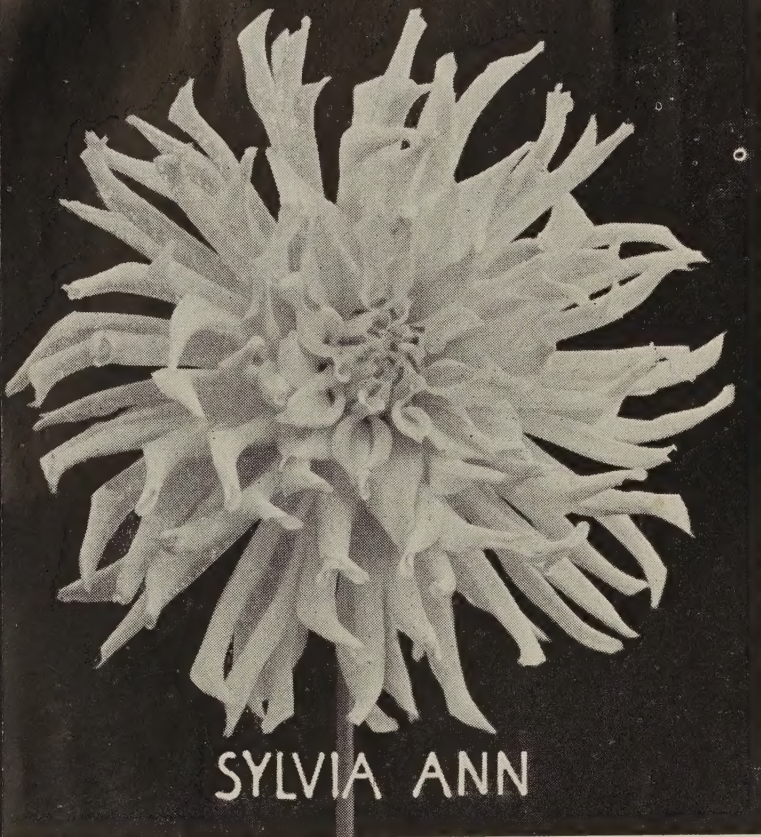
Root, \$15.00 NET; Plant, \$7.50



WHIZ KID



POTASH-FED DAHLIAS



SYLVIA ANN



LAVENDER PRINCE

LAVENDER PRINCE (Bowling-Dahl 85B), **FD**, **Bloom 7 1/2 x 5**, **Bush 5 ft.** This beautiful amaranth rose is near to Jersey Beauty in growth and very deep in form. Grows 7 1/2 x 5 without disbudding. Good healthy bush growth, with perfect stems for cutting. Certified at Maryland Trial Grounds in 1949, and so different in color that it is most pleasing. There are few Formal Lavenders in the B Class. On Lynn B. Dudley's Eastern Honor Roll and C. E. Faust's Southern Honor Roll. **Root, \$10.00; Pot Root, \$7.50; Plant, \$5.00**

GREETINGS FOR THE 1951 SEASON

May we again present our Annual Catalog for your consideration. It has been our policy for the past thirty-six years to spare no pains in making this catalog a storehouse of useful information, as well as a salesman for our products.

It is gratifying to hear the favorable comments on the return of the "Dahlia Grower's Bible" as many of our customers call it.

We want every customer to be a friend, and feel free at all times to offer suggestions or seek our advice.

In offering the highest grade stock you are assured of "Dahlias of Quality and Distinction".

May we wish you the greatest year yet for your Dahlia Garden.

SYLVIA ANN (Carter-Dahl 85B), **IC**, **Bloom 6 x 3**, **Bush 4 1/2 ft.** This variety has very little competition on the show table as there are no good Incurved Yellow Cactus dahlias in the B Class to compete with it. Light mimosa, almost a primrose yellow showing a lavender suffusion on ends of petals in cool weather. An early bloomer, and wonderful healthy grower. Long slender stems, fine foliage, and blooms incessantly. Fine for cutting, and just the right size for an all purpose dahlia. Won 1949 in the Seedling Class, Atlanta, and has done well wherever grown this year. Won an A.D.S. Gold Medal Certificate and certified at Atlanta, 1950. On Robert's Honor Roll and Webb's Dahlia Review.

Root, \$10.00 NET; Plant, \$5.00

1951 INTRODUCTIONS Of Other Growers

AGNES E. JAMES (Bouchau-Ber 85B), **StC**, **Bloom 7 1/2 x 4**, **Bush 4 1/2 ft.** Persimmon orange with scarlet suffusion at center. Good form and substance. Quite similar in color and form to Orange Princess.

Root, \$7.50 NET; Plant, \$3.50

CLARA DELL (Adelung-Rus 85B), **SC**, **Bloom 8 x 6**, **Bush 4 ft.** Lovely light primrose yellow. Center has numerous petals giving a pincushion effect. Early and free blooming. Won the A.D.S. Seedling award in N. Y. and at the N. J. Show. On Dudley's Honor Roll.

Plant, \$5.00

CLARIAM ROYALTY (Wolbert-Rock 85A), **C**, **Bloom 10 x 6**, **Bush 5 ft.** Seven American Home Achievement Medals are credited to this large Tyrian purple Cactus, beside many other awards. It is agreed that it is Cactus but whether IC, StC, or SC is still in question. On Flower Grower's Honor Roll and the Eastern Dahlia Review in The Dahlia. **Plant, \$5.00 NET**

COSMOPOLITAN (Phillips-Rock 85B), **ID**, **Bloom 8 x 5**, **Bush 4 1/2 ft.** Scarlet edged and suffused straw yellow. Won Derrill W. Hart Medal in 1949, certifying in 3 Trial Grounds. A good grower with blooms held on strong stems. On Robert's and Faust's Honor Rolls.

Plant, \$3.50 NET



1951 INTRODUCTIONS Of Other Growers—Cont'd

DR. PAUL MORGAN (Dixie 85A), **SC**, **Bloom 10 x 5**, **Bush 4½ ft.** A soft lavender, actual color light roseine purple shaded light Persian rose. Very nice in color, form and size. Was much impressed with this variety at E. Lansing in 1949. **Plant, \$5.00**

ESQUIRE (Martin-Rock 85A), **FD**, **Bloom 10 x 5**, **Bush 4 ft.** Cyclamen purple holding flowers facing side. Petals pointed. On Faust's, Robert's and Eddy's Honor Rolls in the Flower Grower. **Plant, \$5.00 NET**

FIREGLEAM (Johnson 85B), **SC**, **Bloom 6 x 4**, **Bush 5 ft.** Bright orange shaded nasturtium red with canary yellow at the base of each petal. Lovely and deep in form. Long straight stems. Won 2 Achievement Medals. On Dudley's and Faust's Honor Roll. **Plant, \$5.00 NET**

HAZEL HARPER (Harper-Rock 86M), **M**, **StC**, **Bloom 3½ x 2**, **Bush 3 ft.** A most pleasing and outstanding Rhodamine pink shading lighter at center and tips. Was impressed with this dahlia when I first saw it in Georgia, and it has certainly proved itself worthy wherever grown this season. First dahlia to be certified at all five Trial Grounds where it had been sent. Won the Derrill W. Hart Memorial Medal and on the Flower Grower Honor Rolls 1949 and 1950. **Plant, \$2.00 NET**

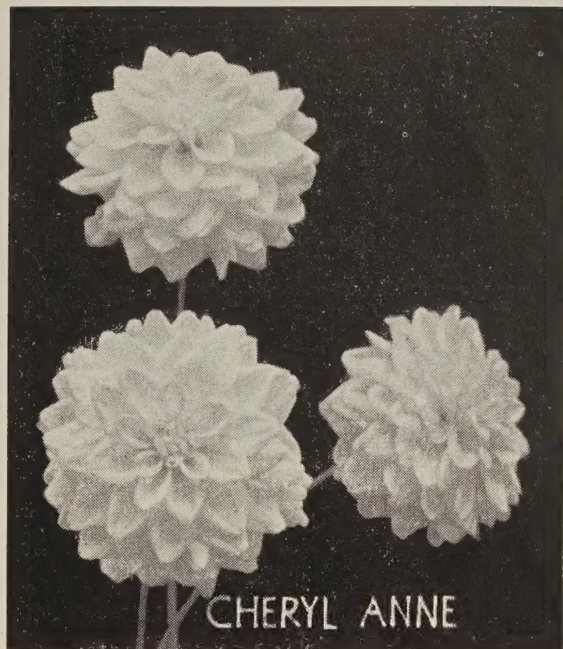
HEADLIGHT (Merrill Brown), **A ID**, **Bloom 11 x 7**, **Bush 5 ft.** A large yellow with a peach red reverse. Has a high crown and twisting petals. Good open grower. Early and profuse. **Plant, \$3.00 NET**

LINDA LOU (Armentrout-Rus 86B), **StC to IC**, **Bloom 6 x 4**, **Bush 4 ft.** Recommended as one of the best B type Seedlings of the year. Lavender or light Persian rose. Fine for baskets with excellent keeping qualities. A consistent winner and certified at Md. and New Brunswick in 1950. Our records show it was StC at New Brunswick Trials and Wash. Show. On Dudley's Honor Roll. **Plant, \$5.00**

NAY AUG (Webb-Lewis-Rock 85B), **SC**, **Bloom 8 x 5**, **Bush 5 ft.** Color is lovely deep empire rose, and one of the finest "B" size introductions. Certificates at New Brunswick and Ga. On Webb's Eastern Dahlia Review and on 3 Honor Rolls. **Plant, \$3.50 NET**

PERMANENT WAVE (Goetzer-Nat'l Capitol D.S. 85A), **ID**, **Bloom 9 x 5**, **Bush 5 ft.** Different in color, Fuschia purple and something new in formation. We wonder where the classification committee will place it as the petals are involute and ruffled leaving an open tip resembling a spoon chrysanthemum. Early, strong grower, insect resistant foliage. American Home Achievement Medal at Wash. **Plant, \$5.00**

SO BIG (Roberts-Rus 85A), **ID**, **Bloom 12 x 6**, **Bush 5 ft.** Amaranth rose or soft mallow purple with lighter shadings. One of the big ones that has been grown over 14 inches. Certified at E. Lansing 1949 and won several awards in 1950. On Faust's Honor Roll in the Flower Grower. **Plant, \$7.50**



CHERYL ANNE (Ahl-Dahl 85M), **M FD**, **Bloom 2½ x 2**, **Bush 3½ ft.** We were first attracted to this lovely little Miniature at New Brunswick Trial Grounds by its wonderful bush growth and myriads of blooms. Color is a lovely light primrose yellow, with each petal edged lighter, giving definition to each petal. Perfect stems for cutting and it grows small naturally. A high scoring variety with many winnings already to its credit. Won first in the Phila. Miniature Seedling Class and a Bronze Medal in the Seedling Class in Camden 1949, A.D.S. Gold Medal Certificate in N. Y. 1950, beside other winnings in the Open to All Classes. Certified at Rutgers. Early incessant bloomer, and fine healthy bush. Dainty and appealing. **Root, \$5.00 NET; Plant, \$2.50**

1951 INTRODUCTIONS Of Other Growers—Cont'd

SOUTHERN BELLE (LaMotte-Rock 85B), **ID**, **Bloom 6 x 4**, **Bush 4 ft.** White heavily tipped Tyrian purple. A very attractive cut flower. Petals are deeply notched giving it the general appearance of a Semi-Cactus. Certified at Atlanta and Cincinnati Trial Grounds. On 2 Honor Rolls, and Webb's Dahlia Review. **Plant, \$2.00 NET**

SPECIAL AWARD (Robens), **A SC**, **Bloom 12 x 8**, **Bush 6 ft.** Buttercup yellow with Indian orange or tangerine in center of flower and on reverse of petals. Will grow large naturally. On 3 Honor Rolls and winner of an Achievement Medal. **Plant, \$7.50**

THE VOLUNTEER (Whittacker-Rus 85A), **ID**, **Bloom 11 x 7**, **Bush 4 ft.** Deep Tyrian or Dianthus purple with lighter tips. Vigorous grower and prolific bloomer. Won 2 American Home Achievement Medals in 1949 and 2 A.D.S. Seedling Awards in 1950. Certified at Ga., Long Island, and New Brunswick, winning the Derrill W. Hart Gold Medal. On all 4 of the Flower Grower Honor Rolls. **Plant, \$7.50**

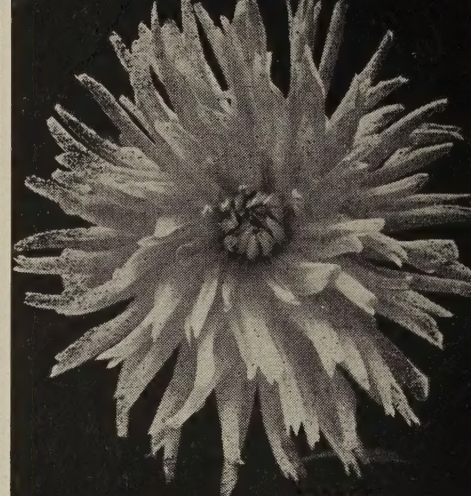
WARPAINT (Merrill Brown), **A SC**, **Bloom 9 x 5**, **Bush 6 ft.** Fire red, ends of petals suffused Indian yellow. Recommended as a strong healthy grower and sure to please. **Plant, \$3.00 NET**



BEDFORD BEAUTY



MISS ELSIE JANE



MRS EDW. DIEHL

A NEW CUT FLOWER GROUP CACTUS AND SEMI-CACTUS DAHLIAS

Dahlias that normally grow from 4 to 6 inches. Popular with florists as they are better bloomers than lots of the larger dahlias. This size group lends itself best to arrangements, baskets, and general decorating. There will be classes in the A.D.S. Show again this season known as the BB classes for the 4 to 6 inch blooms.

ALASKA (85B), **StC**, **Bloom 6 x 3**, **Bush 5 ft.** A very pretty pure white on fine stems for cutting. Centers full. Early and continuous bloomer. **Plant, .75**

AMOROSO (Bru 84B), **StC**, **1948**, **Bloom 5 x 3**, **Bush 3 ft.** Pretty azalea pink with lighter shadings. Early and profuse. Long strong stems. **Root, \$1.00; Pot Root, .75**

ARISTOCRAT (Bru 85B), **StC**, **Bloom 6 x 3**, **Bush 4 1/2 ft.** A glowing oriental red or signal red. A very fine dahlia for cutting or exhibiting. **Pot Root, \$1.50; Plant, \$1.00**

BEDFORD BEAUTY (Fr D G 85B), **IC**, **Bloom 6 x 3**, **Bush 4 ft.** A very striking soft rosy magenta shading to creamy white at the center and base of each petal. Early, prolific, and healthy. **Root, .75; Pot Root, .50**

CAPT. CEDARQUIST (Fr D G 84B), **StC**, **Bloom 6 x 4**, **Bush 4 ft.** Marigold orange shading darker in center. A fine cut flower. **Root, .75**

CHARMANT (Bru 84B), **SC**, **1948**, **Bloom 5 x 3**, **Bush 4 1/2 ft.** Deep amaranth rose. Fine grower and good keeper. **Root, \$1.50; Pot Root, \$1.00; Plant, .75**

CHEERIO (Aust 85B), **SC**, **Bloom 5 1/2 x 3**, **Bush 2 1/2 ft.** The unusual coloring of this dahlia makes it showy and unique. A bright Tyrian purple faintly tipped white. Good grower. Centers always full. **Root, \$1.50; Plant, .75**

DUBONNET (Shiple-Dahl 85M), **SC**, **Bloom 4-5 x 2**, **Bush 3 ft.** Deep oxblood red that does not fade. Very profuse. Sturdy compact bushes **Root, .75 NET; Pot Root, .50 NET**

FANTASTIC (Bru 85B), **IC**, **Bloom 6 x 4**, **Bush 3 ft.** A spidery or very fine quilled incurved cactus. Color a soft carmine or delft rose according to our color chart. We consider it very good. **Pot Root, \$1.50; Plant, \$1.00**

GILDEROY (Aust 84B), **StC**, **Bloom 5-6 x 3**, **Bush 3 ft.** Soft lemon yellow. Stems strong and erect. Healthy grower, good keeper. **Root, .75**

GRETEL (Bauer 84B), **SC**, **Bloom 6 x 3**, **Bush 3 1/2 ft.** Color, a soft fiery red. This variety is very satisfactory for cutting. The first in bloom. Profuse and a good keeper. **Root, .50**

JUDY K (Lake 85B), **SC**, **Bloom 5 x 3**, **Bush 4 ft.** Center primrose yellow, outer petals coral pink. Wonderful stems for cutting. Profuse and early. **Root, \$1.00**

L. C. K. (Lake 85B), **StC**, **Bloom 5 1/2 x 4**, **Bush 4 ft.** Bright canary yellow with orange suffusion on outer petals. Excellent keeper. Flower Grower Award winner and certified at Storrs. **Root, .75**

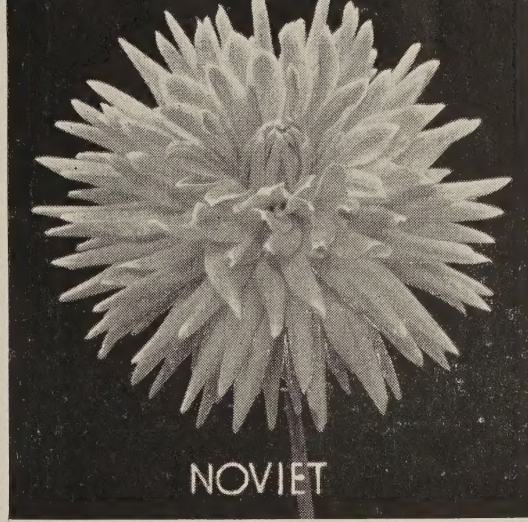
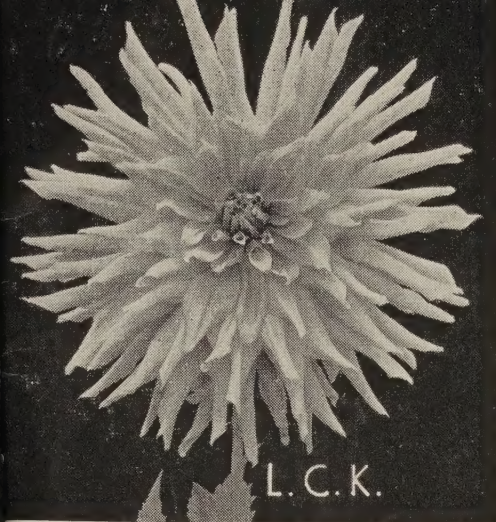
MARGARET ROSE (Holl 84B), **1950**, **StC**, **Bloom 6 x 3**, **Bush 3 1/2 ft.** Lovely light carmine rose shading Orient pink with yellow center. Nice form and long stiff stems. **Plant, \$1.00**

MICHIGAN O (COLLINS) (85B), **SC**, **Bloom 6 x 3**, **Bush 3 ft.** Amaranth rose shading lighter at tips. Very early, profuse, and fine for cutting. Two dahlias were introduced as Michigan Orchid. We are therefore abbreviating the word Orchid and using the originator's name. **Root, \$1.00; Pot Root, .75**

MISS ELSIE JANE (Dahl 85B), **SC**, **Bloom 6 x 4**, **Bush 4 ft.** About the most artistically formed dahlia in the entire list. A most unusual color, shrimp pink with cream shadings at center and tipped violet rose. Blooms freely. We heartily recommend it. **Root, .50**

MRS. EDWARD DIEHL (Lake 85B), **StC**, **Bloom 6 x 3**, **Bush 5 ft.** Beautiful soft peach red blended with yellow, general tone soft shrimp red. Certified at E. Lansing. Fine for baskets and commercial work. **Root, \$1.00**

MRS. E. J. (Rock 85P), **StC**, **Bloom 6 x 3**, **Bush 4 1/2 ft.** Bright rhodamine pink with self colored petaloids shading to white at center. Certified at 3 Trial Grounds. Profuse and early. **Root, \$1.00; Pot Root, .75**



A NEW CUT FLOWER GROUP

CACTUS AND SEMI-CACTUS DAHLIAS—Cont'd

NORMA JEAN (Shepard 85M), StC, 1948, Bloom 4 x 3, Bush 5 ft. An outstanding coral pink with light yellow center. Narrow spiky petals that are lacinated at tips. Certified at New Brunswick. Achievement Medal Winner and many other prizes. Root, \$1.00; Pot Root, .75

NOVIET (Bru 85B), SC, 1948, Bloom 4½ x 2½, Bush 3 ft. Soft Dresden yellow with rose suffusion on ends of petals. One of the best of the foreign varieties. Very fine cut flower. Root, \$1.00

PUNCTUALITY (Holl), BIC, Bloom 6 x 3, Bush 4 ft. An unusual crimson with yellow at base of petals. Long strong stems. Very neat. Plant, \$1.00

REVERIE (Bru 85B), IC, 1948, Bloom 6 x 3, Bush 3 ft. Sulphur yellow with amaranth rose shadings at tips. Good form and fine stems for cutting. Root, \$1.00; Pot Root, .75

RITA ARMSTRONG (Aust 84B), SC, Bloom 6 x 3½, Bush 3 ft. Light primrose yellow with cleft petals. Good form and stems. Prolific. Root, \$2.00; Plant, \$1.00

SABINE (85B), SC, Bloom 5 x 4, Bush 2½ ft. Light begonia pink. Imported as a Miniature from Holland but grows 5 inches in field culture. Very good and fine position on stem. Root, .75

SAINTE THERESE (Holl 85), StC, Bloom 5 x 2, Bush 4 ft. Delightful and dainty soft rose pink with a white center. Useful for arrangements. Grows best with partial protection from full sun. Root, \$1.00; Pot Root, .75; Plant, .50

TRAJECTUM (Bru 85B), StC, Bloom 6 x 3, Bush 4 ft. Lovely deep mauve or soft petunia purple shading lighter at center. Full centered blooms held well above the foliage. Unusually prolific. Root, \$1.50; Pot Root, \$1.00; Plant, .75

YELLOW SPECIAL (Bru 85B), StC, 1948, Bloom 6 x 4, Bush 3½ ft. Beautiful primrose yellow. Early and prolific. Wonderful substance and develops in water. One of the best of the foreign novelties. Root, \$1.00; Pot Root, .75

ZUIWN (Japan 85B), StC, Bloom 6 x 3, Bush 3 ft. A bright crimson carmine of very pleasing form on wiry stems. At times a Straight Cactus. Excellent for cutting. Root, .50

DECORATIVE DAHLIAS

AMBASSADEUR VAN KLEFFENS (Holl 85B), ID, Bloom 5½ x 3½, Bush 2½ ft. A deep straw yellow suffused Jasper red with a general tone of cadmium orange. A free, early bloomer on nice stems.

Root, \$1.00; Plant, .50

CAROLINE KERNOCHAN (Fior-Par 85B), ID, Bloom 6 x 3, Bush 4½ ft. A striking light primrose, tipped carmine. Strong, erect stems. Early and profuse. A winner. Root, \$1.50; Pot Root, \$1.00; Plant, .75

DAVE PLATT (Fior-Par 84B), FD, Bloom 4 x 2, Bush 4 ft. Useful as a cutflower. Color white with a flush of mallow pink at center. Good stems and keeping qualities. Root, \$1.00

DEARIE (Pat 85M), FD, Bloom 4-5 x 3, Bush 3½ ft. Peach suffused and shaded rose pink. A pleasing color combination. Will grow 5 inches if disbudded. A prolific bloomer, fine for cutting. Perfect stems.

Root, .75; Pot Root, .50

DEUIL DU ROI ALBERT (Bel 84B), FD, Bloom 6 x 4, Bush 3½ ft. An outstanding bi-color of orchid or petunia purple tipped white. A very early and incessant bloomer. Root, .75; Pot Root, .50

DONNIE (Lake 85M), FD, Bloom 4½-5 x 3, Bush 5 ft. A rich Dianthus purple. Very full petaled. Profuse and early on fine stems for cutting.

Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

FRANCIS LAROCCA (Rind 84B), FD, Bloom 6 x 3, Bush 4½ ft. Pale sulphur yellow, very satisfactory as a cut flower. Blooms profusely on good stems. Vigorous grower. Good keeper. Root, .50

GAY (Wengert-Par 85B), FD, 1948, Bloom 6 x 3, Bush 4 ft. A primrose yellow with cleft petals. Fine keeping qualities and perfect foliage for a cut flower. Won the Gold Medal at N. Y. Florists Club.

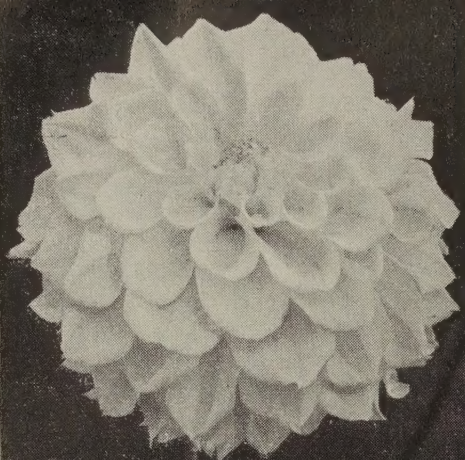
Root, \$1.50; Pot Root, \$1.00; Plant, .75

GERRIE HOEK (DeR 85B), FD, Bloom 5 x 3, Bush 3 ft. Rhodamine pink with slight yellow shading at base of petals. Prolific. Perfect for cutting and arrangements. Root, \$1.00; Pot Root, .75; Plant, .50

GOLDEN LEADER (DeR 84B), FD, Bloom 5 x 3, Bush 3 ft. Lovely canary yellow with gold suffusion at center. Nice long stems and fine for cutting.

Root, .75; Pot Root, .50

GYPSY GIRL (Par 85B), FD, 1948, Bloom 4½ x 2½, Bush 5 ft. A variegated amaranth rose flecked with dots and stripes of purple. A fine bush, profuse bloomer. Flower Grower Award and A.D.S. Silver Medal. Root, \$1.50; Pot Root, \$1.00; Plant, .75



GAY



MARY TAYLOR



Mrs. Herbert O'Connor

NEW CUT FLOWER GROUP DECORATIVE DAHLIAS—Cont'd

KATHIE M (Lake 85M), FD, 1948, Bloom 4½ x 4, Bush 5 ft. A blend of soft buff suffused deep rose pink. A real florist's dahlia with notched petals, and a good keeper. Can be grown larger. Cert. at E. Lansing.

Root, \$1.50; Pot Root, \$1.00; Plant, .75

KING PETER II (85B), FD, Bloom 6 x 4, Bush 4 ft. The base color is white with the tip of each petal overlaid soft Persian rose. A very striking and attractive color combination. Decidedly different.

Root, .75

LAKESIDE BEAUTY (Lake 85B), FD, Bloom 6 x 4, Bush 5 ft. A blend of rose and amaranth pink with cream center. Has won the Flower Grower award and Midwest Trophy. Exceptional keeper and fine grower but not too profuse.

Root, \$1.00 NET; Pot Root, .75 NET

LITTLE EDDIE (Lake 85B), ID, 1950, Bloom 6 x 3, Bush 4 ft. Amaranth rose shading lighter at tips with a white center. An Informal inclined Semi-Cactus. Fine healthy grower. Free bloomer early and late. Excellent substance and most useful as a cut flower. Grows in water.

Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

LITTLE KATY (Lake 85M), FD, Bloom 4 x 2½, Bush 4 ft. A fine soft lemon yellow for cutting. Unusually profuse, with long stems.

Root, .75

MARIA ORBAAN (Ball 85B), ID, Bloom 5 x 3, Bush 3 ft. A lively poppy or Mandarin red. Long stems for cutting. Colorful and a good grower.

Pot Root, \$2.25; Plant, \$1.50

MRS. JAMES ALBIN (Bad 85B), FD, Bloom 6 x 3, Bush 5 ft. Soft lemon yellow. Strong bush and excellent foliage. Good keeper and excellent for cutting. Does exceptionally well in Texas.

Root, .50

ORANGE FLAME (Gold 85B), ID, Bloom 6 x 4, Bush 3 ft. Ball-shaped deep flowers of bright orange scarlet. Vigorous, open grower with good stems for cutting.

Root, \$1.00

SHIRLEY WESTWELL (Barwise 85B), ID, Bloom 4½ x 2½, Bush 3 ft. A very intense scarlet or signal red that is fine for cutting. Early and profuse.

Root, \$1.00; Pot Root, .75; Plant, .50

TRIONFO DI MILANO (Italy 85B), ID, Bloom 6 x 3, Bush 3½ ft. A striking bi-color of Orient red tipped pure white. Always in demand for cutting.

Root, \$1.00; Pot Root, .75; Plant, .50

STRAIGHT CACTUS DAHLIAS

ABBOT (Ball 85B), Bloom 8 x 4, Bush 4 ft. Cherry red. Early, nice form and good stems. Fine bush growth.

Root, \$1.00; Pot Root, .75

ALLEGRESSE (Fr 85A), Bloom 9 x 5, Bush 4 ft. Pure sulphur yellow. Described as an improved Frau O. Bracht. A fine grower, good in all respects. One of the best recent importations.

Pot Root, \$1.00; Plant, .75

AUMONIER CHANDELON (Fr 85B), Bloom 7 x 5, Bush 5 ft. Neyron rose shading lighter at center. A very pleasing pastel. Nice form. Good for exhibiting.

Root, \$1.00; Pot Root, .75

BALLERINA (Fr D G 85B), Bloom 7½ x 4, Bush 5 ft. Light salmon orange shaded peach red. Flowers held in good position on long stems. Bush growth vigorous. Good for cutting.

Root, .75

CAROL FRANCIS (Carlisle 86A), Bloom 9 x 5, Bush 4½ ft. A truly beautiful amaranth rose shaded pastel mauve. Full centers. Good grower and most desirable.

Root, \$1.50; Pot Root, \$1.00; Plant, .75

CLARA HOOK (Wol-Rock 85A), Bloom 9½ x 6, Bush 5½ ft. Primrose yellow lightly suffused apricot on outer petals. A good keeper and free bloomer. Winner of the Derrill Hart Medal.

Root, \$1.50; Plant, .75

DANDY SNOW (Aust 85A), Bloom 9 x 6, Bush 4½ ft. Pure white. A strong healthy grower producing well formed blooms of uniform size. Fine for cutting or exhibiting.

Root, \$2.00; Plant, \$1.00

DOREEN E. (Ecc-Rock 85B), 1950, Bloom 8 x 4, Bush 3 ft. Face of flowers are Indian lake while reverse is a peony purple. Petals deeply lacinated. Fine stems, dark green foliage. On 4 Honor Rolls, A.D.S. Certificate at Chicago and Milwaukee. Most distinctive.

Plant, \$2.50

EDNA D. (Dif-Rock 85A), 1949, Bloom 11 x 6, Bush 6 ft. Impressive large cherry red. Full centers, long stems and good growing habits. Winner of 3 Achievement Medals and featured on 3 Honor Rolls.

Plant, \$1.50

ELLA MAY (Pren-Dahl 85B), Bloom 7 x 5, Bush 5 ft. Dianthus purple. While the color is dark, flower is quite distinctive. Stem excellent and centers full.

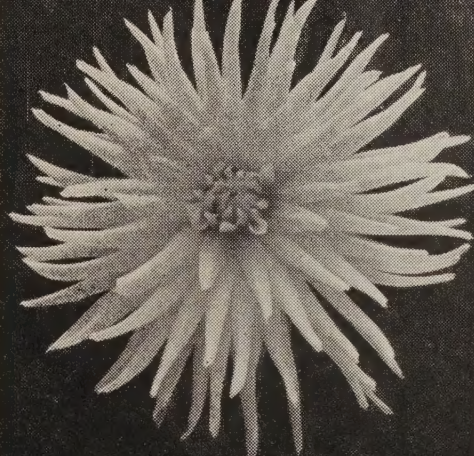
Root, \$1.50; Pot Root, \$1.00; Plant, .75

FAIR MAID (Bru 85B), Bloom 8 x 5, Bush 5 ft. A very pretty coral pink with carmine rose suffusion. Fine form, good stems and a healthy grower.

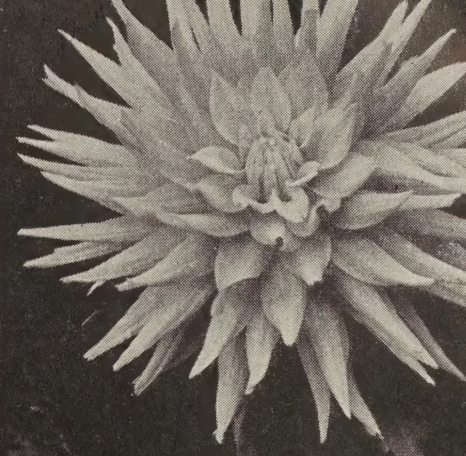
Pot Root, \$1.50; Plant, \$1.00



MARIETTA E



MAGNETIC



SAARLAND'S HEIMKEHR

STRAIGHT CACTUS DAHLIAS—Cont'd

GOLDEN RECTITUDE (Ball 85B), Bloom 7 x 3, Bush 4 ft. Color an autumn shade of light Spanish orange, called a majolica yellow in our chart. This variety did not bloom too good in the early season but came through nicely later. Plant, \$1.25

HILLSIDE GOLD (Hill 85B), Bloom 7½ x 4, Bush 3½ ft. Golden yellow with a beautiful apricot glow. Flowers are held well above foliage. Fine for exhibition, cutting and baskets. Root, .50

HOEK'S GLORIE (Holl 85B), Bloom 7 x 3, Bush 5½ ft. Amaranth rose shading pastel mauve. Good form. Very satisfactory here. Root, \$1.50; Plant, .75

JERSEY DAINTY (Waite 85B), Bloom 7 x 3, Bush 5 ft. White, faintly tinged lavender early in the season. Fine for exhibiting and cutting. Blooms held on long, straight stems. Healthy plant growth. Root, .50

KING SIZE (John 85A), 1949, Bloom 10 x 5. Color descriptions vary from spectrum to rose red. A.D.S. Gold Medal Cert. at N. Y. and many firsts. Centers full, outstanding in size. On 3 Honor Rolls and did wonderfully well this past season. Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

MAGNETIC (John-Dahl 85B), 1949, Bloom 7½ x 3½, Bush 3 ft. This truly brilliant primrose yellow of Australian origin was sent to America for introduction. It is the most profuse and early bloomer of any yellow Cactus we have ever grown, and a real joy for cutting, home decorations, baskets and arrangements. Faces ideal on strong, slender stems, with full perfect centers from the first to the last bloom. Certified at Rutgers. On Dudley's Honor Roll. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

MARIETTA E. (Eldridge-Dahl 85B), Bloom 7 x 3, Bush 3½ ft. Clear sun-resistant canary yellow. Has many winnings. Certified at Storrs. Will stand good culture. Root, .75

MARY TAYLOR (Taylor 85B), Bloom 7½ x 5½, Bush 5 ft. Naples yellow suffused phlox pink. Bush growth open with ideal stems. Fine for cutting. Certified at 3 Trial Grounds. Root, \$1.00; Pot Root, .75

MISS SAN DIEGO (Com 85B), Bloom 8 x 4, Bush 4 ft. Artistic blooms with lacinated petals, yellow centers with amaranth pink on outer petals. Certified at 2 Trial Grounds and on 3 Honor Rolls. Root, \$1.50; Pot Root, \$1.00; Plant, .75

MME. ELIZABETH SAWYER (Holl 84B), Bloom 7 x 3, Bush 4 ft. Persian rose shading lighter. Very lovely prize winner. Fine branching habit and an early and profuse bloomer. Root, \$1.00; Pot Root, .75

MRS. HERBERT O'CONOR (Ber-Dahl 85B), Bloom 8-9 x 5, Bush 5½ ft. An artistic dahlia, bright rose pink shading a deep rose pink at center. Bush tall. Profuse bloomer. Stems strong in field culture. Flowers face nicely. Root, .75

ORANGE IMPERATOR (Holl 84B), Bloom 6 x 3, Bush 3 ft. Warm poppy red. Centers full. Open branching bush with long stems. A fine addition to this class. Root, \$1.00; Plant, .50

ORANGE PRINCESS (Gen 85B), Bloom 7½ x 4, Bush 5 ft. Orange red at center shading to true orange at tips. Stems strong and centers full. Keeps well, and is most attractive. Root, \$1.00; Pot Root, .75

PAVANE (Holl 85B), Bloom 6 x 4, Bush 3½ ft. Beautiful light Persian rose. Reminds one of Vivian... Coppens but has straighter petals and a more even color. Good for cutting. Root, \$1.00; Pot Root, .75; Plant, .50

SAARLAND'S HEIMKEHR (Woditscka 85B), Bloom 7 x 4, Bush 3 ft. Deep rose pink tipped lighter and shaded pale lemon yellow at center. Full centers all season, with excellent stems. Root, .75

SEARCHLIGHT (Str 85A), Bloom 9 x 4, Bush 5 ft. A very promising light primrose yellow variety with full centers. At times an incurved cactus. Spectacular on the show table. Root, \$1.50; Pot Root, \$1.00; Plant, .75

SKYROCKET (Sar-Rus 85A), Bloom 10 x 5, Bush 4½ ft. Distinctive for size and the bright scarlet color. Several Achievement Medals. On 3 Honor Rolls. Healthy and vigorous. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

SNOWBALL (Str 85B), Bloom 8 x 4, Bush 4 ft. Pure white of fine form. Narrow petals, some reflex and incurve. Good for exhibiting when disbudded. Root, \$1.00; Pot Root, .75; Plant, .50

TORERO (Holl 85B), Bloom 8 x 5, Bush 4 ft. Classified IC but for us most of the time it qualified as an StC. A striking Orient red shading lighter with yellow tippings at center and striped petaloids. Root, \$1.50; Pot Root, \$1.00; Plant, .75

VICTORY DAY (Bru 85B), Bloom 8 x 4, Bush 5 ft. Cherry or Orient red. Unusually bright uniform blooms. An excellent keeper. Beautiful in the garden and wonderful for baskets and exhibiting. Root, \$1.00; Pot Root, .75; Plant, .50

VIVIANNE COPPENS (Bel 85B), 1948, Bloom 7-8 x 4, Bush 4 ft. Rhodamine pink shading lighter. Free flowering, fine stems. Good for cutting. One of the finest Foreign introductions. Root, \$1.00; Pot Root, .75

WINTER MORN (Dahl 85B), Bloom 7½ x 4, Bush 4 ft. A white sport of Frau Ida Mansfield with the same good qualities, and plenty of vitality. An unusual keeper and a wonderful cut flower. Root, \$1.50; Plant, .75



Rhythm

INCURVED CACTUS DAHLIAS

BEVERLY ROBINSON (Aust 85B), Bloom 8 x 4, Bush 4 ft. A clear tone of light phlox purple that really belongs in the Lavender Class. Reminds one of Marilyn Dale. A good grower and consistent bloomer.
Plant, \$2.00

CHIME (John-Dahl 85A), 1949, Bloom 8-10 x 6, Bush 3½ ft. A fine European Cactus dahlia. An unusual shade of soft Jasper red with a light apricot undertone that gives it distinction. Easily grows 10 x 6 without disbudding, even in field culture. Early and profuse.
Pot Root, \$1.50; Plant, \$1.00

CLARIAM SPLENDOR (Wol-Rock 85A), 1950, Bloom 11 x 5, Bush 2½ ft. A blend of yellow suffused light lilac pink on outer petals, each petal edged deeper lilac. Good stems and bush growth. On 3 Honor Rolls and an Achievement Medal winner at Cincinnati.
Plant, \$2.50

EUPHROSINE (Fr 85A), Bloom 9 x 5, Bush 5 ft. A bright rose purple according to our color chart but a lavender on the show table with practically no competition. A very fine dahlia worthy of your trial.
Plant, \$1.25

FLASH (Sal 85B), Bloom 8 x 5, Bush 4½ ft. A striking and unusual bi-color. Petals are crimson with white tips. Double serrations pointing in opposite directions. Substance fairly good.
Root, \$1.50 NET; Pot Root, \$1.00 NET; Plant, .75

GEN. EISENHOWER (Holl 85A), Bloom 9 x 5, Bush 4 ft. A popular Foreign novelty of bright Turkey red. Fine for exhibition and garden. Good substance. Fine foliage and long erect stems.
Root, \$1.50; Pot Root, \$1.00; Plant, .75

GOLDEN JUPITER (Kemp 85A), 1948, Bloom 11 x 6, Bush 4½ ft. Primrose yellow heavily suffused soft Jasper red. Although out a few years this variety is just becoming popular. Good grower and most satisfactory for exhibition.
Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

GOLDEN STANDARD (Downs 85A), Bloom 9 x 5, Bush 4½ ft. A warm buff shaded amber and gold. Very pleasing in form with full centers. At times it is inclined to be a Straight Cactus. A good open grower. Excellent stems.
Root, .75

MME. C. JUSSIANT (Nagels 85B), Bloom 8 x 4, Bush 4 ft. Soft violet inclined to lavender. One of the best in its form and color. Early, prolific and popular.
Root, .75

NANCY ANN MITCHELL (Mitchell-Rus 85B), Bloom 7½ x 5, Bush 5 ft. Turkey red. Bush healthy with leathery foliage. Early and always good. Fine for baskets and arrangements.
Root, \$1.00; Pot Root, .75; Plant, .50

OAKLEIGH CHAMPION (Phillips-Oak 85A), 1948, Bloom 9 x 4, Bush 5 ft. Blend of soft orange buff overlaid light Tyrian pink. Artistic in form with long lacinated and twisted petals. Certified at 3 Trial Grounds. On 3 Honor Rolls.
Root, 1.50; Pot Root, \$1.00; Plant, .75

PASTEL (Holl 85B), Bloom 7 x 4, Bush 3½ ft. A lovely phlox pink shading lighter with some petaloids.
Plant, .75

PINK MUM (Aster 85B), Bloom 8 x 5, Bush 5 ft. Beautiful shaggy phlox pink with perfect centers. Good in the garden and when cut. Winner of 2 Achievement Medals and on 2 Honor Rolls.
Root, \$1.00; Pot Root, .75

RED SPIDER (Dahl 84A), Bloom 9 x 5, Bush 5 ft. A real spidery English type Cactus of deep crimson. Marvelous bloom with a weak neck.
Root, .75

REGALIA (Bal 84A), Bloom 10 x 6, Bush 4 ft. A bright soft rhodamine purple with a lighter reverse. It has self-colored and white petaloids. Good strong stem, and profuse.
Root, \$1.00

RHYTHM (Doz-Dahl 86A), Bloom 9 x 6, Bush 5 ft. Rhodamine pink with primrose yellow at center. A lovely flower with serrated tips. Awarded the Derrill Hart Gold Medal and Achievement Medal. A good root maker.
Root, \$1.50; Pot Root, \$1.00; Plant, .75

SARETT'S PINK FLAMINGO (Sar-Rus 85A), Bloom 9 x 5, Bush 4½ ft. Tyrian pink with straw yellow undertone. A fine grower, early and continuous bloomer. A winner of 3 Achievement Medals and on 3 Honor Rolls.
Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

SMOCKEY (Holl 85B), Bloom 8 x 4, Bush 3 ft. Deep cardinal with oxblood red shadings. Attractive and very fine grower.
Root, \$2.00; Plant, \$1.00

SNOWCREST (Alex-Dahl 85B), Bloom 7 x 4½, Bush 4 ft. Pure white on long stiff slender stems. A real cut flower and a winner in any show. Certified at 2 Trial Grounds. Likes rich soil.
Root, \$1.00; Plant, .75

SON OF SATAN (Slocum 85A), Bloom 11 x 5, Bush 5 ft. Bright scarlet. The petals revolute sufficiently to be an Incurved Cactus but occasionally a Semi-Cactus.
Root, \$1.00

STEPHEN FOSTER (Salem 85A), Bloom 10 x 6, Bush 6 ft. A fine shade of buff suffused scarlet. Petals are nicely curled and twisted. Won many prizes.
Root, .75

VELVET MARVEL (Bru 85B), 1949, Bloom 7 x 5, Bush 4 ft. Rich orient red darker at center. Lovely form. Early and very attractive.
Plant, \$1.00



SEMI-CACTUS DAHLIAS

BATAAN (Retzer 85B), Bloom 8 x 4, Bush 4 ft. An attractive spectrum red with lighter reverse. Wavy petals show faint gold tips. Very attractive and fine for cutting. Root, \$1.00; Pot Root, .75

BLACK MAGIC (Aust 85B), Bloom 8 x 5, Bush 3½ ft. A very pretty chrysanthemum crimson. Classed as a dark red. Good stems, fine form for exhibition. Plant, \$1.00

DON'S SUNRISE (Aust 85B), Bloom 7 x 3, Bush 5 ft. Rather heavy formation inclined Semi Cactus although classed as Incurved Cactus. Very showy, soft rosy magenta with yellow at base of petals. Very satisfactory. Root, \$1.00; Pot Root, .75

GREATER GLORY (Sal 85A), Bloom 11 x 5, Bush 5 ft. A tall, vigorous bush with healthy foliage, and very artistic blooms. Deep rose pink shading to sulphur yellow at center. Winner of many prizes. Root, \$1.50; Pot Root, \$1.00; Plant, .75

HONOR GUEST (Holl 85B), Bloom 8 x 4, Bush 3½ ft. Lovely formed flowers are amber yellow suffused with a faint soft rose. Long wiry stems. Fine for exhibiting and cutting. Root, .75

LADY IN RED (Dix 85B), Bloom 8 x 5, Bush 5 ft. A bright scarlet red that is a good cut flower. Beautiful for baskets. Fine form and color. A vigorous grower with dark green foliage. Root, .75

LAKE SIDE ANN (Lake 85B), Bloom 7 x 5, Bush 4 ft. A nice pastel blend with lemon yellow center suffused coral red on ends of outer petals. An open grower with good stems for cutting. Root, \$1.00

LIMELIGHT (Dahl 85A), Bloom 9 x 5, Bush 3 ft. Pointed petals of soft sulphur yellow. Easy to grow. A semi-dwarf growing bush that fits into landscape planting. Erect stems, long enough for cutting and exhibition when disbudded. A prolific bloomer. Root, .75

MARILYN DALE (Mollineaux 85A), 1949, Blooms 10 x 6, Bush 6 ft. Different in form and color. Light roseine purple or amaranth rose. Stems long and erect. On 3 Honor Rolls. Won a Special at N. Y. and many other prizes. Certified at Rutgers. Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

MRS. HAMMERTON (Aust 85A), Bloom 9 x 4, Bush 4 ft. Soft primrose yellow heavily suffused Rhodamine pink. A very pleasing blend. Strong, healthy grower. Root, \$1.50; Plant, .75

NOBLE GLORY (John 85A), Bloom 10 x 7, Bush 3½ ft. Flower has a high center and staghorn petals. Beautiful soft gold buff with rose suffusion. Won Achievement Medal at Scranton and on Dudley's Honor Roll. Exceptionally good and one we recommend. Root, \$1.50; Pot Root, \$1.00; Plant, .75

ORFEO (Bru 85B), Bloom 7 x 4, Bush 3 ft. Glistening Rhodamine and Tyrian purple. Fine for cutting and exhibiting. Pot Root, \$2.25; Plant, \$1.50



RAY SMITH (Scheffel 85A), Bloom 10 x 5, Bush 5½ ft. Light phlox purple or soft mauve with lighter tips. Very fine and does well in field culture. Root, \$1.00; Pot Root, .75

RED VELVET (Dahl 85A), 1949, Bloom 10 x 6, Bush 4½ ft. Definitely a rich currant red with cardinal shadings, but it has soft Tyrian purple shadings on the reverse which enhance its beauty and perfection. Healthy with strong erect stems growing well out of the foliage. Wonderful substance, spectacular for decorating and baskets. Many blooms at a time that will easily measure 10 x 6 inches. Usually Semi-Cactus but inclined Cactus at times. A dahlia to be proud of and the envy of your friends as it is really outstanding. On Dudley's Honor Roll. Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

ROCKLEY ORANGE (Taylor 85B), Bloom 7 x 4, Bush 4½ ft. Orange flame or tangerine orange. Good form with full centers. A nice grower and a good keeper. Certified at Storrs. Root, \$1.00

ROSA VON LIMA (Holl 85B), Bloom 6 x 4, Bush 3½ ft. Very pleasing Rhodamine pink. Fine form. Profuse and early. Root, \$1.50; Pot Root, \$1.00; Plant, .75

ROYAL SIGHT (Bru 85A), 1950, Bloom 9 x 4, Bush 5 ft. Rhodamine pink with a white center. Long, erect stems. Very distinctive. Plant, \$2.50

TERRY (Zazo 85A), Bloom 10 x 7, Bush 4 ft. A beautiful mauve with unusually shaggy and long narrow staghorn petals. Large and deep. Most distinctive in form. Although classed as Semi-Cactus it resembles very much the picture of Rhythm. Root, \$1.50; Pot Root, \$1.00; Plant, .75

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



PAOLI LOCAL

SEMI-CACTUS DAHLIAS—Cont'd

ALCAZAR (Bal 85A), Bloom 10 x 5, Bush 4½ ft. Finely formed dahlia and something new in color, Tyrian purple shading lighter at tips. Good grower. Achievement Medal winner. Root, \$1.00; Pot Root, .75

ALL AMERICAN (Sal 85A), Bloom 10 x 6, Bush 4½ ft. Spinel red with Spanish orange undertone. A finely formed dahlia. Award of Honor, Ga. Easy to grow and very satisfactory. Root, \$1.00

AMI LOUIS BLIN (Fr), Bloom 8 x 5, Bush 4½ ft. A deep Chrysanthemum crimson with darker shadings at center. Described as an improved Adolf Mayer. Very fine. Plant, \$1.00

ATOMIC YELLOW (Proctor-Rus 85A), 1948, Bloom 10 x 6, Bush 6 ft. Beautiful bright primrose yellow that is really big and opens in water. Blooms held facing on long stems. Certified at W. Va. and won A.D.S. Silver Medal. Plant, \$1.50

BILL JACK (Franks 85B), Bloom 8 x 5, Bush 5 ft. A very deep white for a Semi-Cactus. Profuse bloomer with good stems. Pot Root, \$1.00; Plant, .75

CLARIAM FANCY (Wol-Rock 85B), 1949, Bloom 7-8 x 5, Bush 4½ ft. This light blend of pale primrose yellow with coral pink suffusion has exceptional depth. Winner of Leonard Barron Trophy at N. Y., 2 Achievement Medals and 2 Trial Grounds Certificates. Beautiful form with cleft petals. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

EVELYN CHANDLER (Bal 84A), Bloom 9 x 5, Bush 4½ ft. Bright golden apricot with deeper shadings on reverse which show through, especially at center of flower. Naturally grows very large. Root, .75

HILDA FIORETTI (Fior-Par 85A), Bloom 9 x 6, Bush 5-6 ft. Lovely deep rose with apricot base and tips. Has good branching habits and cane-like stems. Classed ID but resembles Paoli Local. Root, \$1.00

H.L.C. JACKSON (Lake 85A), 1949, Bloom 10 x 5½, Bush 3½ ft. A good somewhat shaggy pure white with creamy tone at center. Full centers and very good. On Dudley's Honor Roll.

Root, \$3.00; Plant, \$1.50

KELVIN SUNRISE (Aust 85B), Bloom 7 x 3, Bush 3½ ft. Color soft primrose yellow suffused and tipped empire rose. A healthy grower and a very attractive dahlia. Plant, .75

MENTONE (Aust 85B), Bloom 8 x 4, Bush 5 ft. Primrose yellow center, outer petals amber yellow, suffused and lined carmine rose. Beautiful form, full centers and outstanding. Plant, \$1.50

MOYUA (Aust 85A), Bloom 9 x 5, Bush 5 ft. Soft Tyrian pink with light yellow at center. Similar to but deeper than Rhythm in color effect. A very useful dahlia. Sturdy grower with long, strong stems. Root, \$1.00

MRS. DEAN ACHESON (Fior-Par 85B), 1950, Bloom 7½ x 4½, Bush 5 ft. Lovely even color, deep rose pink. Good form, erect stems. Winner of the Flower Grower Award at New York, 1949. Plant, \$3.50

MRS. T. NEWALL (Aust 85B), Bloom 7 x 4, Bush 4 ft. A very fine lemon yellow at center with orange buff shadings and edge. Early, profuse and a good grower. One of the best foreign introductions. Most pleasing and useful. Root, \$4.00; Plant, \$2.00

PAOLI LOCAL (Alleva-John 86A), 1950, Bloom 10 x 6, Bush 4 ft. Although a general tone of coral pink is really a delightful combination of carmine rose with Egyptian buff undertone. Early, profuse bloomer, flowers held in nice position on long stems. Certified at Farmingdale. Won an Achievement Medal, and on Dudley's Honor Roll.

Root, \$5.00; Pot Root, \$3.50; Plant, \$2.50

PEACH DAWN (Dudley-Dahl 85B), Bloom 8 x 5, Bush 5 ft. Rosy flesh suffused soft rose, giving the effect of soft salmon pink. Flowers are of good substance on strong stems. Centers are always full. Certified at E. Lansing. A customer in Miss. writes she had 268 blooms from 3 plants and won several blues.

Root, \$1.00; Pot Root, .75

ROSELYN STRAIGHT (St-Rus 85A), Bloom 10 x 6, Bush 5 ft. Good lemon yellow with claret rose lines and suffusions. A bright spot for any exhibit or garden. Certified at Storrs and W. Va. Root, \$1.00

SCARSDALE SUN (Braun-Par 85B), Bloom 8 x 6, Bush 3 ft. A good clean primrose yellow for cutting. Will be grown more when better known. Early, profuse and a good grower.

Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

THE ARISTOCRAT (Brown 85A), Bloom 11 x 7, Bush 4 ft. Mimosa yellow suffused soft Rhodamine pink. Full centers. Pointed petals and very attractive. Good grower and fine in every respect here.

Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

THE CARDINAL (Bak-Rus 85A), Bloom 11 x 6, Bush 6 ft. A most attractive currant red winning the Derrill Hart Award, many other prizes, and on all 3 Honor Rolls. Fine rugged grower. Worthwhile.

Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50



SEMI-CACTUS DAHLIAS—Cont'd

ADOLF MAYER (Tops 85A), Bloom 9 x 4, Bush 5 ft. A pansy purple about the darkest of all dahlias. Bush is of good height and sturdy. Keeps well when cut. Very popular. Root, \$1.00; Pot Root, .75

BROTHER JUSTINUS (Bel 85B), Bloom 7 x 4, Bush 3½ ft. Empire yellow center with soft orange suffusions on outer petals. A striking color combination, wonderful for arrangements with other flowers. Long stiff stems. Excellent for cutting Root, \$1.00; Pot Root, .75

CHEADLE PARK (Ecc-Rock 85A), Bloom 10 x 5, Bush 5 ft. A bright Indian lake. Profuse, early, and a good, healthy grower. Root, \$1.00; Pot Root, .75

CONFUCIUS (Bal 84A), Bloom 10 x 6, Bush 4½ ft. Fire red to brick red in color. Strong grower with long, stiff stems. Early and easy to grow. Just naturally large. Root, .75

FAITHFUL (Dahl 85A), Bloom 9-10 x 4-5, Bush 5 ft. One of the best and largest white Semi-Cactus. Does best under normal culture. Bush growth is sturdy, with glossy green foliage. Good root maker, easy to winter over, and blooms are always full-centered. Root, \$1.50; Pot Root, \$1.00; Plant, .75

FERNIE TRIUMPH (Aust 85A), Bloom 9 x 5, Bush 4½ ft. Lively bright red. Long stems and good bush growth. Plant, \$1.00

GEN. JOHN J. PERSHING (Ward-Rus 85A), Bloom 12 x 9, Bush 5½ ft. A sport of the well known dahlia Virginia Rute. Color brick or jasper red with a chrome flush. A rugged grower, winning many prizes and Certified at Storrs. Root, \$1.50; Pot Root, \$1.00; Plant, .75

JANE LAUSCHE (Wol-Rock 86A), Bloom 10 x 5, Bush 5 ft. An outstanding bi-color of soft mallow purple with white tips. Certified at E. Lansing. Winner of many Achievement Medals, on 3 Honor Rolls, and still a real winner on the show table. Root, \$1.50; Pot Root, \$1.00; Plant, .75

JEAN TRIMBEE (Trimbee 85A), Bloom 10 x 5, Bush 5 ft. Massive yet artistic, with long revolute petals that curl and twist. A beautiful petunia or orchid purple. Popular in the garden. Tall and vigorous, with long erect stems. Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

MAFFIE (Exnar-John 85A), Bloom 12 x 6, Bush 6 ft. Intense carmine or rose red. Spectacular for exhibition. The tremendous size puts considerable strain on the stem. Bush growth is very rugged and foliage heavy. Root, \$1.50; Pot Root, \$1.00; Plant, .75

MAGNIFICENT (Cry 85A), Bloom 10 x 6, Bush 6 ft. A lovely buff overlaid carmine rose. Bush growth and stems excellent. On 3 Honor Rolls. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

MICHIGAN WHITE (Keiser 85B), Bloom 7 x 3, Bush 5 ft. A prolific bloomer with good substance, on long stems. A fine commercial white with three Certificates and Award of Honor. Root, \$1.00; Pot Root, .75



NICKY K. (Lake 85B), 1949, Bloom 7 x 4, Bush 4 ft. A brilliant Turkey red commercial that we highly recommend. Good grower, fine keeper and certified at E. Lansing. Beautiful bush.

Root, \$2.50; Pot Root, \$2.00; Plant, \$1.25

RONNIE LEE (Dorff 85A), Bloom 11 x 6, Bush 6 ft. Apricot suffused rose red. Classified as a Semi-Cactus but Informal Decorative at times. A strong, healthy grower, winning many prizes.

Root, \$1.50; Pot Root, \$1.00; Plant, .75

SILVER TIPS (B & B 85A), 1949, Bloom 10 x 6, Bush 3 ft. Most striking at Rutgers where it certified. Cherry red with straw yellow reverse which shows slightly at center. Blooms deep with lacinated petals. Good growing habits.

Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

SIR GALAHAD (Com 85A), Bloom 11 x 5, Bush 6 ft. Soft vermilion, Naples yellow reverse and shadings. Plenty of vim and vigor. Cane like stems. Certified at Storrs.

Root, \$1.50; Pot Root, \$1.00

TOP-FLIGHT (Doz 85A), Bloom 10 x 5, Bush 5 ft. An intense bright crimson with broad staghorn petals. Bush is tall and sturdy, with long stems. Two Achievement Medals, and a consistent show winner.

Root, \$1.50; Pot Root, \$1.00; Plant, .75

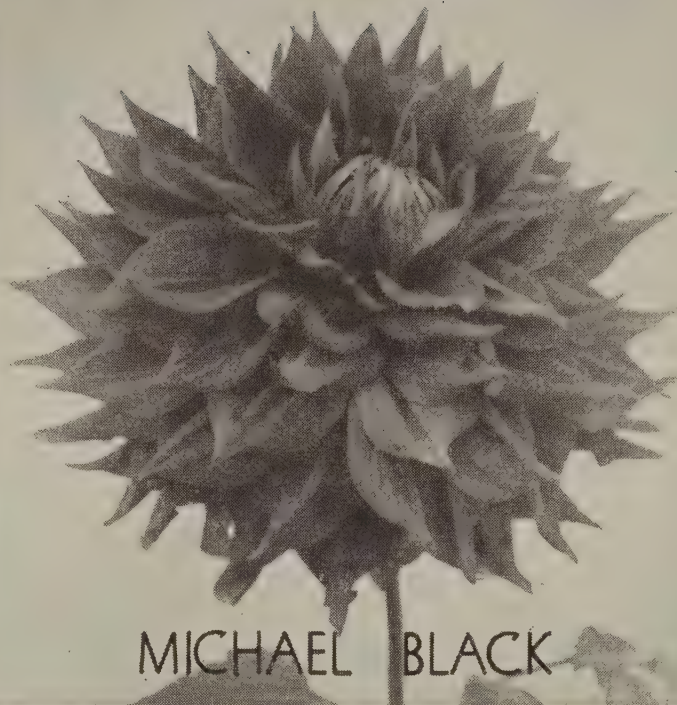
VIRGINIA RUTE (Cha 85A), Bloom 12 x 9, Bush 5½ ft. Cardinal or oxblood red shaded garnet. Darker than Cherokee Brave, but similar in form. The long, strong stems need no special support even when grown for exhibition.

Root, \$1.00; Pot Root, .75

WINGS (Gen 85A), Bloom 10½ x 7, Bush 6 ft. A large deep cardinal red with chrysanthemum crimson shadings at center. Strong, vigorous grower, with dark foliage and long erect stems holding the flower well above the foliage.

Root, \$1.00; Pot Root, .75

WINTER CARNIVAL (Doz 84B), Bloom 8 x 5, Bush 4½ ft. A fine crystal white, inclined to Informal Decorative. Popular as it is easier to grow than most white dahlias. Stems are strong. Root, \$1.00



MICHAEL BLACK

DAHLIAMUM (Che 85A), Bloom 10 x 7, Bush 5 ft. A very large flower of a yellow buff and amber combination suffused with gold. Petals are twisted. A strong growing variety. Certified at Storrs. Root, .75

FLYING Fortress (Pitt-Dahl 85A), Bloom 10 x 5, Bush 4½ ft. The general tone is soft scarlet with a lighter reverse. It is of artistic form and brilliant color, and arranges beautifully, especially in baskets. A rugged healthy grower and profuse bloomer. Certified in W. Va. and Md. Root, .75

JOAN FERENZ (Rind-Rus 85A), Bloom 11 x 7, Bush 5 ft. A seedling of Jane Cowl of canary yellow lightly suffused rose red. Grows large with little disbudding. Dark and insect-resistant foliage. Achievement Medal winner. Root, \$1.50; Pot Root, \$1.00; Plant, .75

MADONNA (Sar-Rus 85A), 1950, Bloom 11 x 8, Bush 6 ft. This beautiful white has had more than its share of winnings. Opens an Informal Decorative and develops into a Semi-Cactus when fully open. Fine size, stem, form and substance. A.D.S. Gold Medal Seedling Award and 9 Achievement Medals. On all four Honor Rolls. Root, \$5.00; Pot Root, \$3.50; Plant, \$2.50

MICHAEL BLACK (Phillips-Oak 85A), Bloom 10 x 5, Bush 5 ft. Velvety Rhodamine purple that does not fade easily. Healthy, vigorous grower. Blooms naturally grow large on strong, erect stems. Achievement Medal at Washington. Root, \$1.50; Pot Root, \$1.00; Plant, .75

MRS. F. H. STRICKLAND (Ber 85A), Bloom 10 x 5, Bush 4 ft. Clear one-tone shell pink. A dahlia that needs and responds to good culture. Has good stems. Root, \$1.00

PINK GIANT (Bru 84A), Bloom 9 x 5, Bush 5½ ft. Bright Tyrian pink. Long erect stems hold flowers facing. Strong rugged bushes with heavy foliage. A very striking dahlia. Root, .75; Pot Root, .50

SALEM SUNSHINE (Sal 85A), Bloom 12 x 8, Bush 4 ft. A fine large light primrose yellow. Early, profuse and a vigorous grower. Flowers are held facing side to upward. A good root maker. Well worth your trial to get an easy to grow large yellow. Root, \$1.00; Pot Root, .75

VALLEY SNOW (Aust 85A), Bloom 10 x 5, Bush 5 ft. There are so many whites it is hard to recommend the best. We think this wonderful with good substance and bush growth. Inclined Semi-Cactus with petals rolling some although classed as Informal Decorative. Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

INFORMAL DECORATIVE DAHLIAS

CHEROKEE BRAVE (Ricks-Dahl 86A), Bloom 11 x 6, Bush 5½ ft. Blooms are a rich oxblood red shaded Tyrian purple at times, that hold their color well in the sun. Does well everywhere, and is still considered the outstanding red. The blooms grow naturally to extra large size. One of our best introductions. Bush growth strong and foliage heavy. Award of Honor, Ga. Root, \$1.00; Pot Root, .75 Plant, .50

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



INFORMAL DECORATIVE DAHLIAS—Cont'd

ALICE STELLICK (Rind 84B), Bloom 8 x 5, Bush 6 ft. A deep crimson carmine with a distinct white stripe in the center of each petal with occasional blooms self-colored. Stems fairly good with normal culture.

Pot Root, \$1.00; Plant, .75

ANNA BENEDICT (Ben-Dahl 85B), Bloom 8 x 5, Bush 5½ ft. Rich dark garnet with black shadings near center of flower. Stems always good. Does not fade, and seems immune to rain damage. Fine for cutting all season.

Root, .75 NET; Pot Root, .50 NET

ANNETTE (Aust 85A), Bloom 11 x 6, Bush 5 ft. A clear clean primrose yellow. Fine for exhibiting and very satisfactory.

Plant, \$2.00

AUTUMN BLAZE (John 85A), 1948, Bloom 12 x 6, Bush 5 ft. Early blooms are all orient red with chrome yellow shadings on the tips, but later blooms show more of the suffusion. Achievement Medal Winner and several prizes. Certified at W. Va. A strong, rugged grower.

Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

CHARLES K. SHAW (Cry 85A), 1950, Bloom 10½ x 5, Bush 5 ft. Clear light primrose yellow. Large blooms with long wide petals. Bush healthy with fine stems. Certified at Rutgers and on 2 Honor Rolls.

Root, \$5.00; Pot Root, \$3.50; Plant, \$2.50

DR. JOHN F. MORSE (Olsen-Rock 84A), 1950, Bloom 11 x 6, Bush 4 ft. A heavy velvety textured dark reddish purple, more red than purple. Does not burn or fade easily. A strong grower and should stand hardships. Certified at College Park and on Robert's Honor Roll.

Root, \$5.00; Pot Root, \$3.50; Plant, \$2.50

EMMA CAROLINE (Prem 85A), 1949, Bloom 10 x 7, Bush 3 ft. Lovely white that just naturally grows large. A rugged, healthy grower. Nice compact bush with good stems and glossy green foliage. Good substance and an excellent keeper.

Root, \$4.00; Pot Root, \$3.00; Plant, \$2.00

GLAMOUR (Sal 85A), Bloom 11 x 7, Bush 5½ ft. An unusual color combination of purple veined violet rose. A tall, heavy grower, with stiff stems. Winner of many prizes. Achievement Medal, and Award of Honor, Ga. Fine but not early.

Root, \$1.00

HUNT'S VELVET WONDER (Hunt-Burnett 84A), Bloom 10 x 6, Bush 5½ ft. Tyrian purple blending into a true purple. Broad-petaled blooms of good size and depth. Stems somewhat short, but a very striking flower.

Root, \$1.00

INGOMAR (Aust 85A), Bloom 11 x 6, Bush 4 ft. A very large and pretty Orient red of lovely form. One that will please you.

Plant, \$2.00

KEMP'S PURPLE TRIUMPH (Kemp 85A), Bloom 12 x 5, Bush 5 ft. This is a pleasing rich violet purple. Rugged grower and good root maker. Certified at E. Lansing and on all 3 Honor Rolls.

Root, \$1.50; Pot Root, \$1.00; Plant, .75



Glamour

KIRSTEN FLAGSTAD (Brown-Rock 85A), Bloom 11 x 6, Bush 5 ft. A chrome yellow with carmine rose suffusion and on reverse of petals. Early and prolific. Should be the first to bloom in your garden. On 3 Honor Rolls.

Root, \$1.00; Pot Root, .75

PEARL HARBOR (Dix 85A), Bloom 9 x 4, Bush 4½ ft. A true variegated dahlia, light mauve shaded violet rose and flecked Tyrian pink. Medium sized bush, with good stems. Certified at Storrs.

Root, \$1.00; Pot Root, .75

SEPTEMBER (Rainbow 85A), Bloom 10 x 4½, Bush 5 ft. Tangerine orange with soft scarlet suffusion giving it a rather even reddish autumn tone. Rugged grower coming into bloom medium early. A very satisfactory dahlia.

Root, \$1.50; Pot Root, \$1.00; Plant, .75

SILVER GLAMOUR (Gold 85A), Bloom 11 x 8, Bush 5 ft. Striking orchid purple with a silver edging on each petal. Full high center with an occasional petaloid and long pointed petals. Good grower. Very large and different.

Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

SUNRAYS (St-Rus 85A), Bloom 11 x 7, Bush 4½ ft. Clear buff suffused apricot with a distinct peach red on reverse of petals. Still popular and grown in many gardens. Was certified at W. Va. and E. Lansing.

Root, .75

THE UNIVERSE (Dahl 85A), Bloom 10 x 5, Bush 3½ ft. Rich bright garnet. Centers are always full, and stems and bush growth good. Especially recommended where seasons are short as it develops and blooms early.

Root, .50

TWILIGHT (Harter 84A), Bloom 10 x 4, Bush 5 ft. Most outstanding in color as it is a true violet which makes it the nearest to blue of any dahlia we have grown. Centers always full. Rugged, easy to grow, and a good root maker.

Root, \$1.50; Plant, .75



INFORMAL DECORATIVE DAHLIAS—Cont'd

COL. LITTLE (O Dom 85A), Bloom 11 x 6, Bush 4 ft. Beautiful blend of flame-scarlet and orange scarlet with lemon yellow reverse which shows as serrated petals curl and wave profusely. Very spectacular.
Root, \$1.50; Pot Root, \$1.00; Plant, .75

CRYSTAL'S SURPRISE (Cry 85B), Bloom 8 x 4, Bush 4½ ft. Egyptian buff flecked and spotted generously with currant red. A strong grower. Blooms hold good centers and keep well when cut.
Root, \$1.00; Pot Root, .75

DELMARVA (85A), Bloom 9 x 5, Bush 3 ft. Deep primrose yellow, heavily suffused scarlet red. Good centers and really beautiful form. Rugged, easy to grow.
Root, .75; Pot Root, .50

FOREST FIRE (Dahl 84A), Bloom 10 x 6, Bush 4½ ft. Lemon yellow near center, blending to rich scarlet near the tips of the petals. The combined color-picture suggested the name. Bushes stocky and strong. Blooms a little late.
Root, .75

INDIAN GIANT (Em 85A), Bloom 12 x 6, Bush 4 ft. Mars orange with cardinal suffusion at center. Fine strong stems and good flowering habit. Certified at E. Lansing.
Root, \$1.00

KENTUCKY SPORTSMAN (White 85A), Bloom 10 x 5, Bush 3 ft. Canary yellow at center, outer petals orange with rose suffusion on reverse, each petal evenly tipped pure white, Good form and very striking.
Root, \$1.00

MME. CHIANG KAI SHEK (Pitt-Dahl 85A), Bloom 9 x 5, Bush 5½ ft. Color is lemon yellow, with a soft peach and mauve suffusion on the reverse and tips of petals. It has very unusual wavy petals. Bush strong and robust. Stems long and erect.
Root, \$1.00

MRS. WM. S. KNUDSEN (Dix 84A), Bloom 11 x 6, Bush 5 ft. A massive pure waxy white. Must be planted early as it is inclined to be late. Vigorous grower and very satisfactory.
Root, .75

MURPHY'S MASTERPIECE (Murphy 85A), Bloom 11 x 4, Bush 4½ ft. Dark red shading deep crimson. Still grown by many. A strong grower, with good stems. Roots are hard to winter.
Pot Root, \$1.00 NET; Plant, .75

PINK ELEPHANT (Giffin-Dahl 85A), Bloom 12 x 7, Bush 3½ ft. Beautiful deep rose pink, blooms grow very large. A compact grower that blooms early enough to be safely pinched out once and then side pruned to make a beautiful bush. On the Honor Rolls.
Root, \$2.00; Plant, \$1.00

RITA WELLS (Wells-Rus 85A), Bloom 11 x 7, Bush 5 ft. Rose buff with the reverse a subdued lilac pink. Achievement Medal winner and certified at W. Va. Stems erect and bush in proportion.
Root, \$1.00

THE DRAGON (Corbett-Dahl 85A), Bloom 11 x 7, Bush 4½ ft. A lovely variety. The petals are apricot in the center edged rose pink. A rugged, insect-resistant plant which will grow for anybody. Will also stand good culture. An excellent root maker.
Root, \$1.00; Pot Root, .75

VIRGINIA SHIPLEY (Cory-Dahl 85A), Bloom 11 x 7, Bush 5 ft. Empire yellow with darker shadings at center. Bush is rugged with heavy foliage repellent to insects. Blooms open Formal developing Informal. Winner of many prizes.
Root, .75

ABBREVIATIONS OF ORIGINATORS AND INTRODUCERS

Alex Alexander, An Anderson, Aust Australia, Bad Badetty, Bak Baker, Bal Balley, Ball Ballego, Bel Belgium, Ben Benedict, Ber Berwick, Bru Bruidegom, Car Carlee, Cas Castlewood, Cha Chappaqua, Che Chemar, Com Comstock, Cry Crystal D. G., Dahl DahliaDel, DeR DeRuyter, Dif Diffenderfer, Dix Dixie D. G., Do Doerman, Doz Dozier, Eec Eccleston, Em Emmons, En English, Eu Europe, Fior Fioretti, Fr France, Fr D G Frank's D. G., Gen Geneva, Gold Golden Rule, He Hillcrest, Hill Hillside, Holl Holland, John Johnson, Kni Knight, Lake Lakeside D. G., LaM LaMotte, Oak Oakleigh, O Dom Old Dominion, Par Parrella, Pat Patrick, Pea Peacock, Pitt Pittman, Prem Premier, Pren Prentice, Rind Rindfleisch, Rock Rocky River, Ros Rosemary, Rus Ruschmohr, Sal Salem D. G., Sam Samuels, San Sanhican, Sar Saret, St Straight, Str Stredwick, Sun Sunset D. G., Tops Topsvoort, Wol Wolbert.



INFORMAL DECORATIVE DAHLIAS—Cont'd

ALICE MAY (Aust 85A), Bloom 10 x 6, Bush 4½ ft. Pure white, with slight yellow cast at base of petals. Stems, placement and profusion of blooms are excellent. Root, \$1.00; Pot Root, .75

CALIFORNIA IDOL (Bal 85A), 11 x 7, Bush 4½ ft. Primrose yellow. Deep flowers of fine form with high, full centers, but not as good a grower as in former years. Root, .75 NET

DIXIE'S WINE DOT (Dix 85A), Bloom 10 x 4, Bush 6 ft. An attractive variegated dahlia. White wavy petals, suffused, flecked and dotted rosy magenta. Three Achievement Medals, certified O.V.D.A. Root, \$1.50; Pot Root, \$1.00; Plant, .75

GOLDEN PRINCE (Weiss 85A), Bloom 10 x 5, Bush 4 ft. A seedling of Jane Cowl, rich canary yellow blended peach giving a general effect of golden bronze. Bush strong and branches nicely. Early and profuse. Root, .75

MARGARET W. WILSON (San 84A), Bloom 9 x 4, Bush 4½ ft. Creamy white with phlox pink shadings and on reverse. Profuse. Root, .50

MRS. HESTER A. PAPE (Rock 85A), Bloom 11 x 5, Bush 5 ft. Indian lake or ruby red. Responds to good culture and forcing. A winner in many shows. Easy to grow and is improved with partial shading. Root, \$1.50; Pot Root, \$1.00; Plant, .75

NANCY CATHERINE SCHARHAG (Sun A), Bloom 9 x 4, Bush 5 ft. Similar in color but better than Pearl Harbor for us. Root, \$1.00; Pot Root, .75

NANCY HOBBS (Aust 85A), Bloom 10 x 5, Bush 4 ft. Lovely and bright. Most striking in color. Magenta with lighter shadings and reverse. Fine grower. One of the best Australian novelties. Plant, \$2.00

NOBBY'S LIGHT (Aust 85A), Bloom 11 x 7, Bush 4½ ft. A light primrose yellow of beautiful form and on good stems. Centers full and deep. Root, \$1.50; Pot Root, \$1.00; Plant, .75

PREMIER'S WINSOME (Prem 85A), Bloom 11 x 6, Bush 5½ ft. Good form, substance and excellent plant growth. Greatly admired. Soft amaranth rose with lighter shadings. Certified at E. Lansing. Root, \$1.00; Pot Root, .75

SHIRLEY WRIGHT (Aust 85A), Bloom 10 x 5, Bush 4½ ft. Lively rose opal shading to rose red at center, described as magenta by others. Really beautiful and classed as ID but quite formal. Good grower. Fine stems for cutting. Root, \$4.00; Plant, \$2.00

SILVER LADY (Hill 85A), Bloom 10 x 6, Bush 5 ft. A most exquisite and lovely dahlia of ivory white delicately flushed and edged amaranth rose. Rugged bush, vigorous foliage, and long strong stems. Root, \$1.00; Pot Root, .75

VICTORY ECLIPSE (Wolfe 85B), 1948, Bloom 7 x 5, Bush 4½ ft. Amber yellow evenly suffused azalea pink giving an orange effect. A real cut flower. Early, good keeping qualities, and splendid growth. Certified at E. Lansing and on 3 Honor Rolls. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00



WHITE WINNER (Wolfe 85B), Bloom 8 x 4, Bush 4½ ft. A white with more petal substance than any other white we have grown. Early and profuse, does not burn, and is most satisfactory for cutting. Long erect stems. Root, .75

WOSAL (Aust 85A), Bloom 10 x 6, Bush 4 ft. Soft Spanish orange with rhodamine pink reverse and shadings. Strong grower with insect-resistant foliage. Root, .75; Pot Root, .50



WINDLASSIE

GREAT LAKES (Marsh-Rock 85A), 1948, Bloom 10 x 4, Bush 4½ ft. An easy to grow white with early blooms very lightly tinted lavender at tips. Stems long and stiff. A winner of many prizes.

Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

JOHN W. SHERWOOD (Ber-Dahl 85A), Bloom 11 x 6, Bush 5 ft. Mallow purple enlivened with gold suffusion and slight gold tips. Blooms are artistic, with petals that curl and twist. Has good form, size, free and early blooming habits. Certified at O.V.D.A.

Root, \$1.50 NET; Pot Root, \$1.00 NET; Plant, .75

KATIE K. (Lake 85A), Bloom 11 x 6, Bush 4½ ft. Beautiful amaranth rose with lighter veinings. An open grower with good stiff stems, and very prolific. Certified at Storrs and E. Lansing.

Root, \$1.00; Pot Root, .75

MILTON J. CROSS (John 84A), Bloom 11 x 7, Bush 6 ft. General effect is yellow with outer petals suffused rose and coral. A strong grower.

Root, .50

MINNORA (Ber-Dahl 85A), Bloom 10 x 6, Bush 5 ft. Spanish orange with Tyrian purple reverse. An unusual but pleasing color combination. Bush growth, stems and foliage ideal.

Root, .50

ROBERT L. RIPLEY (Sal 85A), Bloom 12 x 8, Bush 5 ft. One of the largest varieties grown. Soft mallow purple with deep rose pink suffusion throughout. Stems are straight and strong. Flowers have good substance and keep well. Grown by many dahlia fans. Somewhat temperamental and needs good culture.

Root, \$2.00 NET; Pot Root, \$1.50 NET; Plant, \$1.00

RUDOLPH MOTZNIK (Retzer 85A), 1949, Bloom 11 x 7, Bush 4½ ft. Unusually large and lovely rhodamine pink shading lighter at tips. Good strong grower with long stems. Fine for exhibition and popular in our garden.

Root, \$3.00; Plant, \$1.50

SATAN'S DISCIPLE (Rainbow 85A), Bloom 11 x 5, Bush 5 ft. A brilliant and attractive crimson red. Profuse bloomer that needs no coddling and naturally grows big. Strong stems.

Root, \$1.50; Pot Root, \$1.00; Plant, .75

SUNBURST (Smith 85A), Bloom 9 x 5, Bush 4½ ft. Soft lemon yellow shaded at center and suffused apricot buff. Flowering habit, prolific.

Root, \$1.50; Plant, .75

WANDA MEADE (Blamer-Par 85B), Bloom 6 x 4, Bush 4 ft. A very striking and attractive bi-color, scarlet red evenly tipped white. A good keeper and nice for cutting.

Root, \$1.00; Pot Root, .75

WINDLASSIE (Rock 85B), Bloom 8 x 6, Bush 5 ft. A real white. As the blooms develop the petals roll back forming a ball shaped flower. Early and profuse. Certified at Storrs and on 3 Honor Rolls. A worthwhile variety.

Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

WORLD EVENT (Dix 85A), Bloom 10 x 6, Bush 3 ft. A large, exquisite bright Tyrian rose with a high center. On 3 Honor Rolls and certified at Storrs and E. Lansing. Grows well in all sections of the country.

Root, \$1.00

BESS SMITH (An 84A), Bloom 10 x 5, Bush 5 ft. White with a slight creamy center. Has substance and good habits of growth. Very pleasing form with a deep full center.

Root, .75

INFORMAL DECORATIVE DAHLIAS—Cont'd

Katie K.



INFORMAL DECORATIVE DAHLIAS—Cont'd

AGLOW (Dahl 85A), Bloom 10 x 6, Bush 6 ft. A beautiful soft apricot heavily suffused scarlet on the center area of each petal, enhanced by a golden sheen over all. Open grower with long strong stems. Needs no forcing. Root, \$1.00; Pot Root, .75

ARELDA LLOYD (Smith 85A), Bloom 10 x 6, Bush 5½ ft. A clear lemon yellow faintly suffused rose. May be described as a yellow Jane Cowl as form and bush growth are almost identical. Root, .50

BANDOENG (Ball 85A), Bloom 9 x 5, Bush 5 ft. Cinnamon buff suffused and shaded russet orange and scarlet. A strong bush, with heavy foliage and excellent stems. Easy to grow. Fine for cutting. Root, .50

BETTY BROSTER (Aust 85A), Bloom 11 x 6, Bush 4 ft. A most striking large burnt orange with red suffusion at center. Good grower. Plant, \$1.25

CALIFORNIA PAGEANT (Bal 85A), Bloom 12 x 8, Bush 5 ft. Light chrome yellow with Mars orange suffusion at center. Certified at Storrs. It just naturally grows big. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

CHARMER (Lloyd 85A), Bloom 10 x 6, Bush 5½ ft. A clear golden buff, lightly suffused apricot yellow and rose. A lighter sport of Jane Cowl. Root, .50

DRUM MAJOR (Aust 85A), Bloom 11 x 7, Bush 4 ft. A very fine and deep signal red that does not fade. Its great size and depth, lovely form along with the bright color and its good growing habits make it most appealing. Plant, \$3.50

FRECKLES (Kemp 85A), Bloom 10 x 5, Bush 4½ ft. Canary yellow speckled and striped cherry red. Rather unusual. This variegated is still a favorite with our visitors. Root, \$1.00; Pot Root, .75; Plant, .50

JANE COWL (Downs 85A), Bloom 10 x 6, Bush 5½ ft. A warm buff and old gold, blending to apricot and rose at the center. Bush growth is ideal with strong stems. Fine for cutting and exhibiting. One of the most universally grown dahlias. Root, .50

JOYCE ENRIGHT (Aust 85A), Bloom 9 x 6, Bush 4½ ft. Lovely amaranth rose shading lighter. Nice form with wide petals, and a good grower. Plant, \$1.50

KELVIN (Aust 85A), Bloom 11 x 6, Bush 4 ft. This fine massive dahlia is a Tyrian pink with reverse of petals phlox pink with a golden suffusion throughout. A real winner in the largest bloom class. A stocky bush with large foliage and heavy stems. Root, \$1.50; Pot Root, \$1.00; Plant, .75

KEMP'S RADIANT BEAUTY (Kemp 85A), Bloom 10 x 6, Bush 5 ft. A very pretty and useful variegated dahlia of lemon yellow splashed scarlet. Stems strong and erect, healthy foliage. Root, \$1.00

MRS. GEORGE LEBOUTILLIER (Smith-Rus 84A), Bloom 11 x 5, Bush 5 ft. Any extra care pays big dividends with this beautiful carmine red dahlia. It has been shown 14½ inches in diameter. Has few faults. Root, .50



OGDEN REID (Kelly-Par 85A), Bloom 12 x 5, Bush 5 ft. A real exhibition dahlia of bright rose with gold shadings. A dahlia that naturally grows big producing exhibition blooms with very little special attention. Root, \$1.00; Pot Root, .75; Plant, .50

POWDER PUFF (Barwal 85A), 1949, Bloom 11 x 6, Bush 3 ft. Lovely light Persian rose sport of Sherwood's Peach. Good growing habits and a winner on the show table. Plant, \$2.50

ROSALIE GORDON (Aust 85A), Bloom 9 x 6, Bush 4 ft. Jasper red with cherry shadings or can be described as Delft rose. Form inclined to be Formal but petals roll back to stem. Very attractive and surely unusual in color. Root, \$3.00; Plant, \$1.50

RUFFLES (Wenning 85A), Bloom 9 x 5, Bush 4 ft. Beautiful rose pink with a golden suffusion at center and lighter at tips. Petals ruffled considerable more than picture of Drum Major. Good healthy grower with strong stems. Root, \$1.00; Pot Root, .75

SHERWOOD'S PEACH (Sherwood-Rus 85A), Bloom 11 x 7, Bush 3 ft. An orange apricot of a softer tone than Sunrays. Cane-like stems with insect resistant foliage. Rather slow developing so should be planted early. Root, .75

TOWER'S EMPIRE (Tower-Par 84A), Bloom 10 x 6, Bush 5½ ft. Large blooms of clear golden yellow with amber shadings at center. Excellent stems. Unusual and insect-resistant foliage. Very good. Root, .75

WARRIOR (Aust 85A), Bloom 10 x 5, Bush 4 ft. Similar in color to Cherokee Brave only slightly lighter. Deep cardinal with Tyrian purple shadings. Healthy grower with dark green foliage. A promising variety. Plant, \$1.50

WATCHUNG GIANT (Smith 84A), Bloom 11 x 6, Bush 6 ft. Deep amber yellow suffused orange cadmium. Grows like a weed and is most profuse in blooms. Doesn't need pampering, and does equally well in all sections of the country. Root, .50



FORMAL DECORATIVE DAHLIAS

BETTY PRIOR (Aust 85A), Bloom 10 x 5, Bush 4 ft. Deep bronze that is sure to become popular. Fine form and a good grower. **Plant, \$1.50**

DARCY SAINSBURY (Aust 85A), Bloom 9 x 4, Bush 5½ ft. A creamy white which produces nearly perfect blooms, sometimes leaning to the Informal. Good stems that hold flowers facing. **Root, \$1.00; Pot Root, .75**

DON JOSE (Aust 85A), Bloom 10 x 6, Bush 3 ft. A lively soft apricot buff that is sure to be a favorite. Good substance and good growing habits. Fine for exhibition. **Plant, \$1.50**

DORSET AUTUMN (Aust 85A), Bloom 10 x 6, Bush 4½ ft. Orange suffused coral red. A good grower and worthwhile. **Root, .75**

FIVE STAR GENERAL (Ramage-Rus 85A), Bloom 10 x 7, Bush 5 ft. A most pleasing blend of light amaranth pink edged and shaded soft canary yellow. One of the very best and largest for exhibition. Consistent bloomer. Derrill Hart Medal Winner certifying at 3 Trial Grounds. **Root, \$1.50; Pot Root, \$1.00; Plant, .75**

JEANETTE (Lombard '85A), Bloom 10 x 5, Bush 5 ft. A popular bi-color of pansy purple neatly tipped white. Naturally grows large. Rugged growth. A good root maker. **Root, \$1.00; Pot Root, .75**

KENTUCKY SUN (White 84B), Bloom 7 x 5, Bush 4½ ft. Clear light lemon yellow. Produces quantities of uniform blooms. Glossy green foliage. Withstands a lot of adverse conditions. **Root, .50**

Varieties on this as well as other pages in this catalog are the same form bloom as illustration

KING DAVID (Corbett-Dahl 86A), Bloom 9 x 5, Bush 4½ ft. By far the earliest purple to date. Beautiful rich Dianthus purple inclined to petunia purple. Continues blooming throughout the season. Flowers are of good substance, deep, well-formed, and do not fade. On the Honor Roll. **Root, \$1.00; Pot Root, .75**

MARY NOBLE (Aust 85A), Bloom 11 x 6, Bush 5 ft. A beautiful bright mauve. An outstanding strong healthy grower. Does very well everywhere. **Root, \$1.50; Pot Root, \$1.00; Plant, .75**

MICHIGAN O. (KEISER) (85A), Bloom 9 x 5, Bush 5½ ft. Pure mauve or mallow rose. Full center blooms of fine form held on perfect stems. Medium early, and a fine grower. **Root, \$1.00; Pot Root, .75**

MISS LIBERTY (Com 85A), Bloom 9 x 5, Bush 5 ft. A red and white bi-color, scarlet red with round white sections at petal ends. Dark foliage and canelike stems. Certified at W. Va. and on three Honor Rolls. **Plant, \$1.00**

NANCY ROBERTS (Aust 85A), Bloom 10 x 5, Bush 4 ft. Deep rose red. Vigorous grower with long stems. Very pleasing. **Root, \$2.50; Plant, \$1.25**

PURPLE MIST (Em-Rus 84A), Bloom 10 x 5½, Bush 5 ft. Peony purple. Strong, sturdy stems and a bush which is extremely rugged. Foliage thick and dark green. Blooms keep marvelously well. Achievement Medal winner and certified at E. Lansing. **Root, \$1.00; Pot Root, .75**

THE REAL GLORY (Stephenson-Rus 86A), Bloom 11 x 6, Bush 6 ft. One of the finest pure white Formal Decorative we grow. Not only is it a fine well formed large flower on a real stem, but it is a good grower and root maker. **Root, \$1.50 NET; Pot Root, \$1.00 NET; Plant, .75**

THOMAS A. EDISON (Dahl 84B), Bloom 8 x 4½, Bush 4 ft. Impressive blooms of staghorn petal formation. Royal purple or petunia violet. Stems and bush grow strong. Grows rather slowly and appreciates extra culture and fertilization. Many awards. **Root, \$1.50; Pot Root, \$1.00; Plant, .75**

VERNA MARTIN (Aust 85A), Bloom 10 x 5, Bush 4 ft. Lovely mauve shaded amaranth rose. A good grower. Very satisfactory. **Plant, \$2.25**

VOLCANO (Richwood 84A), Bloom 11 x 7, Bush 4½ ft. An orange flame red which holds its color in the sun. Foliage is heavy and leathery. Blooms on strong stems, having a lot of substance and keep well. **Root, \$1.00**

WHITE BEAUTY (Robens 85A), Bloom 11 x 6, Bush 5 ft. Pure white that blooms from mid-season on. Full centered and probably one of the largest Formal whites. On Dudley's Honor Roll. Very satisfactory. **Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00**



FORMAL DECORATIVE DAHLIAS—Cont'd

AVALANCHE (Aust 85A), Bloom 9 x 6, Bush 4 ft. This exceptionally fine pure white is very attractive. Full centers and good substance. Bush healthy with strong stems. One of the best. Root, \$1.50; Pot Root, \$1.00

AVALON (83B), Bloom 7 x 4, Bush 5 ft. Clear sulphur yellow of medium size. Good stems for cutting.
Root, .50

BARBAROSA (Bail 85B), Bloom 7 x 5, Bush 4 ft. About the brightest scarlet in Dahliadom. Full centers, strong stems, and a good keeper for cutting.
Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

BLUE RIVER (Sal 85A), Bloom 9 x 3, Bush 4 ft. Soft phlox purple or bluish mauve. Fine bush and strong foliage. Distinctive in color and popular. Has won many prizes.
Root, .75; Pot Root, .50

COMMANDO (Aust 85A), Bloom 10 x 5, Bush 3 ft. Indian lake or Tyrian purple. Sturdy grower with dark foliage.
Plant, \$1.00

D-DAY (Dix 85B), Bloom 7 x 4, Bush 4½ ft. A very pretty one-tone bright rose or rhodamine pink. Has cane-like stems, is prolific, and fine for florists' use. As a cut flower we have more demand for this in our Philadelphia market than for Jersey Beauty. On the Honor Roll, and certified at O.V.D.A. Root, .75

DEEP VELVET (Bak-Rus 85B), Bloom 8 x 5, Bush 4½ ft. Pansy purple with peony purple shadings in outer petals. Can be grown over 8 inches but will in most cases be a B dahlia. Long stems and a rugged grower. A real winner, two American Home Achievement Medals and the Derrill Hart Memorial Award.
Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

FRANCES HANNA (Hanna-Dahl 85B), 1948, Bloom 8 x 5, Bush 5 ft. Spectrum red with clear white tips. A nice open grower with long, straight, stiff stems. Foliage dark green. A sure winner in the bi-color class. Certified at New Brunswick.
Root, \$2.50 NET; Pot Root, \$1.75 NET; Plant, \$1.25 NET

LAVENDER PERFECTION (Aust 85A), Bloom 10 x 5, Bush 3½ ft. Color, a deep amaranth rose with lighter shadings, enhanced with petaloids. Blooms held well on strong stems.
Root, \$3.00; Plant, \$1.50

LENA (Aust 85A), Bloom 9 x 5, Bush 4½ ft. Soft china rose center band, with each petal edged light straw yellow. A unique coloring. Fine grower with well formed flowers on good stems.
Root, \$1.00; Pot Root, .75

MARJORY NOLAN (Aust 85A), Bloom 9 x 4, Bush 4 ft. Camelia rose with a buff undertone and reverse of Persian rose. Really different and a good healthy grower.
Plant, \$2.50

MRS. BRADLEY GEIST (Greinberg 84B), Bloom 7 x 4, Bush 4 ft. Pure white. Good keeper and fine for cutting. Nice form.
Root, .75



D-DAY

NANOOK (Holl 84B), Bloom 7 x 3, Bush 4½ ft. Glistening white. Fine stems. Early, free flowering and a very good grower.
Pot Root, \$1.00; Plant, .75

PEGGY RAY (Aust 85A), Bloom 9 x 5, Bush 3 ft. Beautiful light marigold orange that does so well here. Fine straight stems. A real winner.
Plant, \$2.00

SELLWOOD GLORY (Beyerle-Rock 84B), Bloom 7 x 4, Bush 4 ft. A colorful blend of rich deep Tyrian purple edged white. Quite different. This fine medium size dahlia certified at Rutgers, E. Lansing and Georgia. Derrill Hart Memorial Medal winner 1949.
Plant, \$1.50

SILVER METEOR (Wolfe 85A), Bloom 10 x 5, Bush 4½ ft. Fine form. A beautiful mauve with silver lines and silver reverse. Long stems. Prolific. A very attractive and outstanding dahlia.
Root, \$1.50; Pot Root, \$1.00

THE GOVERNOR (Ber-Dahl 85A), Bloom 11 x 6, Bush 5½ ft. Bright sulphur yellow. Excellent form, with long broad petals going back to stem. Long strong erect stems hold flowers in perfect position. Bush seems immune to insects. Blooms profusely from very early until frost. Does well everywhere. Our best selling yellow Formal.
Root, \$1.00; Pot Root, .75

VICTORY (Asther-Rus 85A), Bloom 10 x 6, Bush 4½ ft. Carmine rose with yellow shadings at base of petals. A real favorite for sheer beauty. Flowers keep well. Stem and bush growth excellent. One of the best for high-class cut flower trade.
Root, .75

Varieties on this as well as other pages in this catalog are the same form bloom as illustration



Winged Victory

FORMAL DECORATIVE DAHLIAS—Cont'd

BLUE JERSEY (85B), Bloom $6\frac{1}{2} \times 4$, Bush $6\frac{1}{2}$ ft. Tyrian pink to light mallow purple. A sport of Jersey Beauty with all of its parent's good qualities. Root, .50

BRIDE'S BOUQUET (Bak-Rus 85A), 1949, Bloom 9×6 , Bush $5\frac{1}{2}$ ft. A worthy prize winner of pure white. Nice form, and long straight stems. A.D.S. Gold Certificate at N. Y., on all 3 Honor Rolls, and an Achievement Medal winner. Performed very satisfactorily here the past season.

Root, \$2.50; Pot Root, \$2.00; Plant, \$1.25

HASLEROVA (Svajner 85B), Bloom $7\frac{1}{2} \times 4$, Bush 4 ft. Delicate lavender, almost white, flecked and spotted French purple, with color variations. Stem, foliage and bush growth very satisfactory. A striking variegated dahlia. Root, .75 NET

JERSEY BEAUTY (Waite 85B), Bloom $6\frac{1}{2} \times 4$, Bush $6\frac{1}{2}$ ft. This beautiful pink is undoubtedly the most universally grown dahlia. Is still "the" commercial pink. Perfect form, long stems, excellent keeper and profuse. Root, .50

KENTUCKY (Cas 85B), Bloom $6\frac{1}{2} \times 4$, Bush $6\frac{1}{2}$ ft. Jersey Beauty pink with yellow and gold blended in, making its general effect salmon pink. Same ideal characteristics as Jersey Beauty. Good for cutting, and very popular. Root, .50

LINK'S BLUE TRIUMPH (Link-Prem 85A), Bloom $10 \times 4\frac{1}{2}$, Bush 4 ft. A seedling of Blue River, somewhat larger. Color mauve with phlox purple veinings. Good stiff stems and heavy insect-resistant foliage. A prize winner. Root, .75

LOIS WALCHER (Walcher-Gen 84B), Bloom 7×4 , Bush $4\frac{1}{2}$ ft. True purple with outer third of petals clear white. A bi-color which has won six Achievement Medals, and certified at O.V.D.A. and E. Lansing. Sturdy growth, and good stems. Blooms sometimes smaller. Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

MAJOR VIERS (Viers-Rock 84A), Bloom 10×6 , Bush 4 ft. Empire yellow with rose suffusion. Achievement Medals at Cleveland and East Liverpool. A strong rugged grower. Root, \$1.50; Pot Root, \$1.00; Plant, .75

MARY ELLEN (Loller 84A), Bloom 10×5 , Bush $5\frac{1}{2}$ ft. Violet rose inclined to mauve pink. Flowers easily attain good exhibition size. Bushes sturdy and well-proportioned. Blooms from mid-season on.

Root, \$1.00; Pot Root, .75

MISS WILGA (Aust 85A), Bloom 9×6 , Bush $4\frac{1}{2}$ ft. Bright amaranth rose shading darker at center. Very pleasing form and color. A worthwhile variety. One of the best recent Australian novelties. Plant, \$1.50

MRS. I. DE VER WARNER (Marean 83A), Bloom 10×3 , Bush 6 ft. Bright lilac rose. In commerce for over 30 years, and still a good seller. Excellent growth. Prolific. Root, .50

PRAIRIE SUN (Marsh-Rocky River 85A), 1949, Bloom 10×6 , Bush 5 ft. This primrose yellow certified at Rutgers, on all 3 Honor Rolls and won Achievement Medals at Southtown, Chicago and Minneapolis. A true Formal yellow for exhibition.

Root, \$3.00; Pot Root, \$2.00; Plant, \$1.50

SPARKLER (Tooker 85B), Bloom 8×5 , Bush 5 ft. Clear pale primrose yellow. Strong erect stems. Thick petals of good substance. Profuse bloomer. Dudley's Honor Roll. One we recommend. Root, \$1.50; Plant, .75

SUPREME COMMAND (Boram-Par 85A), Bloom 11×7 , Bush 5 ft. A huge bloom of clear cherry red. Vigorous grower with fine branching habits. Winner of an A.D.S. Silver Medal. Root, \$2.00; Plant, \$1.00

W A A C (Crooks-Rus 85A), Bloom 11×6 , Bush $4\frac{1}{2}$ ft. General tone of lemon yellow, suffused spinel pink or salmon rose. Long stiff stems. Foliage glossy and dark. Root, \$1.00; Pot Root, .75

WHITE J. B. (Pitt 84B), Bloom 7×5 , Bush 4 ft. A good white similar to Jersey Beauty in form but a more compact bush. Blooms held well out of the foliage on stiff stems. Early and prolific.

Root, \$1.00; Pot Root, .75

WILEY POST (Pat 85B), Bloom 7×5 , Bush 4 ft. Sulphur yellow. A seedling of Jersey Beauty and very similar in form and bush growth except bushes are not quite as tall. A fine healthy grower. Good for exhibition and cutting. Root, \$1.00; Pot Root, .75

WINGED VICTORY (Pat 85B), Bloom 7×5 , Bush 4 ft. A white sport of Wiley Post with all the good qualities described above. Fine for cutting and exhibiting. Root, \$1.00; Pot Root, .75



DAHLIADEL CULTURAL INSTRUCTIONS

by Warren W. Maytrott

POTASH-FED DAHLIAS

We have had so many requests for our old instructions, often termed the "Dahlia Grower's Bible", that we have rewritten them adding the newer ideas of storage and all the minute details regarding pests and their control together with what we have learned through the years about fertilizing and growing.

"**POTASH-FED DAHLIAS**" is not only an established trade name, but a modern and successful method of growing dahlias so that they are literally alive with energy, assuring you of cultural success. In South Jersey, with its long growing season, well-ripened stock can be produced that will give the best possible results. We have found that dahlias grown in the lighter soils for a period of from one to three years will do wonderfully well when moved to heavier soil conditions with no time lost for acclimation.

Most important of all is the health of stock from which your plants, pot roots or roots were grown. This condition has its direct effect on the results obtained; for an unhealthy plant cannot take up **potash**, or any other element of plant food, in sufficient quantities while in this condition. Hence, a dahlia must be healthy before it can be **Potash-Fed**. You must have the best stock that can be produced to have 100% success. Buying inferior stock at low cost is not an economical way to buy and seldom is the way to success.

CULTURAL INSTRUCTIONS

The following directions are based upon years of experience and should be of value in solving many of your cultural problems. These suggestions should be changed to suit local conditions. However, we sincerely believe that the fundamental principles involved will apply throughout the country.

SOIL PREPARATION

The dahlia will grow and produce excellent results in a wide range of soils, other conditions being favorable. It is not so much a matter of soil type as it is conditioning. To grow exhibition blooms to perfection, the nearer soil can be to ideal the better your results will be. Soil should contain enough clay to keep the fertility from leaching and also enough sand or stones to facilitate drainage. Fifty to sixty-five per cent sand is considered ideal.

DRAINAGE. The primary factor in growing dahlias is that of drainage, which in sandy soils is well taken care of, but in heavy soils a quantity of coarse coal ashes should be dug in and thoroughly mixed with the subsoil. Then coarse manure, straw or litter should be mixed into the top-soil. The addition of a good quantity of coarse sand will help drainage and aeration wonderfully in compact or clayey soil.

For soggy soil we might suggest ditching 18 or more inches deep where the row is to be planted, running the ditch with the slope if possible. Fill in with coarse ashes, clinkers or any coarse material that will not rot, keeping it below spading depth, then fill in top with soil mixed with sand or the part of hard coal ashes about the size of corn or a little larger.

LIMING. As a rule, the dahlia does well in a neutral to slightly acid soil. Liming not only neutralizes acid, but makes the natural humus in the soil available as well as loosening heavy soil. Should your soil be inclined to be acid, ground limestone applied at the rate of 3 to 5 lbs. to each 100 square feet is a safe practice on medium to heavy soil every 3 or 4 years. However, a pH test is advisable.

Where winters are severe, sow rye or rye grass in late September or October. The green crop will do no harm during the late blooming season, will winter over, and should be turned under about two weeks before planting. In New Jersey and further south, rye or rye grass can be sowed after digging roots. A cover crop will add organic matter, supply humus and further adjust soil conditions. **Fall fertilizing.** If soil is on the poor side a top dressing of fresh or composted cow, stable or even chicken manure after digging roots in the fall or early winter will certainly improve growth the following year. Chicken manure, however, should be used very sparingly. The above top dressing can be used if no cover is planted, adding to it

4 lbs. Super-Phosphate

1 lb. Muriate or Sulphate of Potash for each 100 square feet and working the top-soil over enough to keep the manure and chemicals from being washed away.

A good time to work or spade over the soil, when no cover crop was planted, is about a month before planting, digging rather deep and thoroughly breaking up all lumps. Then rake the ground over about once a week to retain moisture.



FERTILIZER

Of the ten elements considered absolutely necessary to plant growth, we find nitrogen, phosphorus and potassium the prime essentials and the ones usually most lacking. However, deficiencies in some of the minor elements may upset your plant growth materially.

NITROGEN stimulates growth above ground, producing large bushes with dark green foliage and large flowers, while lack of sufficient nitrogen will produce a poor general growth. Excessive use of nitrogen from any source, especially without the balancing of phosphorus and potash, will produce large soft bushes and blooms with weak stems and a very poor root crop to keep over winter. The common source of nitrogen is humus (decomposed vegetable matter or manure). It can be supplied in dry or fresh cow or sheep manure, bone meal, dried blood or fish scrap, or in commercial fertilizers.

PHOSPHORUS is very essential in plant growth as it strengthens the plant in general, stiffens the stems and adds substance to the foliage and blooms. It increases root development, especially the lateral and fibrous roots, and aids in ripening the roots. Phosphorus along with potash helps overcome ill effects of excessive nitrogen. The common sources are super-phosphate and bone meal.

POTASH is the balancing agent for nitrogen and phosphorus. It gives color to the flowers and foliage, and vigor and tone to the plant in general. It is an essential in starch formation and aids in the maturing of well-nourished roots. This is found in wood ashes, **muriate or sulphate of potash**.

SPRING FERTILIZING. When super-phosphate, potash and manure are used as a top dresser as recommended under Fall Fertilizing no further fertilizing is necessary until after planting.

With no fall soil preparation, apply broadcast before spading, 4 lbs. super-phosphate or 5 lbs. bone meal along with 1 lb. muriate or sulphate of potash or recommended substitutes. The above should be completed 2 or more weeks ahead of planting.

SUMMER FERTILIZER OR TOP DRESSING to be applied between July 15 and August 1st. Scatter evenly around the plant, not nearer than 8 inches or more than 18 inches from the stalk, a good general crop or potato fertilizer analyzing

5-10-10 for the average light soil or

5-10-5 for heavy soil naturally good in potash at the rate of 1/4 lb. per hill, or you can make your own top dressing as follows for each 10 hills:

2 lbs. Bone Meal

5 lbs. Dry Cow or Sheep Manure

1/2 lb. Muriate or Sulphate of Potash.

(Substitute for Potash 5 lbs. hard wood ashes that has been kept dry until being spread on soil.)

PLANTING

WHERE TO PLANT. In selecting a location for dahlias, it is essential to have a free circulation of air for healthy plant growth and to prevent mildew. Dahlias need direct sunlight at least 3 or 4 hours, preferably 6 to 7 hours, each day and should not be planted near large trees or dense shrubbery which would shade the plants and use moisture and plant-food.

WHEN TO PLANT. Should you desire a mass of color for landscape effect or a number of smaller blooms to cut, early planting is recommended. For exhibition blooms later planting is advisable, unless you intend to cut back, prune and disbud systematically.

Dahlias should be planted in Southern New England, Southern New York State, Pennsylvania and North Jersey between May 15th and June 15th, while in South Jersey, Delaware, Maryland, Virginia and interior States of the same latitude the planting period extends from May 1st to July 1st; North Carolina from April 15th on, South Carolina and Georgia from April 1st on, advancing through Florida to January in the citrus fruit belt. Farther north, where hot summers are less harmful and early frosts are prevalent, planting may commence as soon as danger of frost is over. In the northern parts of the United States and Canada we recommend starting dahlia roots, pot roots or plants in a cold frame in pots or in squares of inverted sod, so they can be planted in your garden without disturbing the feed roots. When plants or stalks get to be 6 inches high they should be topped back, leaving preferably two nodes above the ground, see P on Drawing X. When green plants are grown in 2 to 2 1/2-inch pots, as soon as a good root growth is developed they should be re-potted in 3 to 4-inch pots and topped out at time of re-potting.

HOW TO PLANT. When planting large flowering dahlias, the rows should be from 4 to 5 feet apart, or from 6 to 10 square feet should be allowed for each plant. A novel way to plant is to place your stakes 4 x 5 feet apart, and plant a root, pot root or plant at each side of the stake so that stalk will be about 2 inches from stake. This will allow better air condition and more room for cultivation. Varieties will not mix in growing them together and should one plant fail, there will be no blank spaces. However, care should be exercised in not planting a strong rapid grower at the same stake with a slow or dwarf growing variety. Bush heights should be about equal.

Do not plant roots, pot roots or plants in or over hot manure or any quantity of compost or fertilizer. Although practiced by some, we do not recommend the use of any dahlia fertilizer or bone meal in the hole directly under, or where it will contact the dahlia root, pot root or plant, as there is too much danger of injuring the tender feed roots. However, you can use old compost with bone meal and wood ashes or recommended substitutes used in moderation when kept deep enough so root, pot root or plant can be planted above it in regular garden soil. These holes should be prepared



at least 2 weeks ahead of planting so chemicals are diluted and there is no danger of heating or burning. We strongly suggest a broadcast application, as recommended above under **Spring Fertilizing**. The stunt in dahlia plants can often be traced to the burning of the feed roots caused by excessive chemical feeding.

ROOTS should be planted in trenches or furrows 5 inches deep laid flat down (not on end) and covered with earth 2 to 3 inches in depth where drainage is good, filling in as the plant develops. Where drainage is poor, keep a furrow open between rows to facilitate drainage in wet weather, or cover sufficiently so that water will not stand in the vicinity of the root.

Where roots are planted in holes in heavy soil and drainage is poor, fill the hole completely so it will not become a basin in heavy rains and rot the root. Dahlias do not like wet feet. Rake top-soil loose before it bakes after a rain so sprouts can come through easily.

POT ROOTS should be planted as you would roots. Do not divide the small clumps and preferably allow only one stalk to grow, never more than two. Pot roots and plants are especially desirable where the growing season is short, or where dahlias are to be used in beds following early flowering bulbs. They may be potted in 3-inch or 4-inch pots and well-started before planting.

ROOTED CUTTINGS should be ordered for delivery 15 to 20 days earlier than plants, and you should have a cold frame, sufficient 2¼-inch to 3-inch pots and suitable potting soil along with some knowledge of their care. We follow through the behavior of Dahliadel root divisions, pot roots and green plants but on rooted cuttings we can only guarantee delivery in good condition and to be true to name because the care and attention given a plant from potting to hardening off for planting out is the making or breaking of the vitality of your stock, and this responsibility of necessity is yours.

When rooted cuttings are received, wax paper wrappings and moss should be removed. Cuttings should be potted at once in 2¼-inch to 3-inch pots or Veneer Bands. Water well and place in partially shaded sunlight for 3 days, then less protected for 3 more days and then full sunshine. Avoid drafts first few days. Slat, onion bag material or thin muslin make a good shading. After a week, handle them as recommended for green plants.

GREEN PLANTS. Unwrap plant and remove moss, then moisten ball of dirt by submerging in water momentarily. Then remove paper pot, and plant with the top of the ball of dirt about 3 inches below the ground level and cover the top of the ball of dirt ½ to 1 inch. In locations where there is danger of flooding or poor drainage, do not plant quite this deep. Water thoroughly once if ground is dry and then protect with open basket or open crate for a few days as partial protection from the sun and wind, covering only when protection is needed. Then start cultivating. Fill in gradually as the plant develops. For cut worms, scatter poison bait the evening of planting. see **Cutworms**.

Follow directions **How To Plant** and in addition where dahlia plants are to be set in heavy soil, it is advisable to at least prepare the hill by mixing sand or coal ashes, screened to about the size of corn, into the ground where the plant is to be set. We do not recommend washing all the soil from the roots before planting. Plants will make better bushes and clumps in heavy soil if hills are prepared, as above, but it is not at all necessary in light soil.

It is best to set plants without topping back to get feed roots started especially when they have been shipped a distance. After the plants have established themselves you can top back with safety.

Where dahlia plants are grown with only a reasonable amount of fertilizer and water, they usually make better roots than when grown in the midst of plenty. To produce roots on plants, use a balanced plant food, as recommended under **Fertilizer**, but not to excess, and water only when necessary to produce a good, healthy, but not soft growth. When setting plants the last of June for September blooms, we recommend disbudding, according to Drawings X, Y and Z. When planting a month earlier it will be necessary to cut the **fast growing varieties** back severely about six weeks before you want blooms, leaving about one-half the growth and not more than six laterals for the first blooms. Then disbud these as shown on Drawings X or Y, as soon as branches develop sufficiently. This cutting back will give the plant an over supply of feed roots, which will start root production at once, giving you more mature roots in the Fall.

In growing Dahliadel green plants, only the strongest cuttings are potted, and again the best plants are selected for filling orders. This assures you of the best stock procurable.

CULTIVATION

By cultivating at least once a week, twice a week preferably in the early season, and as soon after rain or irrigating as the ground can be worked without getting lumpy, the weeds will be held in check and a soil mulch formed which will conserve the moisture and lessen the need of irrigation.

As the plant develops and the feed roots come toward the surface, the ground should be worked rather shallow around the hills for the radius of at least a foot. Still work the balance of the ground rather deep and bring some fresh soil to the plant with each cultivation, giving the plant a new supply of plant food and protecting the surface roots from the heat of the sun. Have the hills mounded 3 to 4 inches by the middle of September. This will help support the stalks and protect the roots from freezing should an unexpected cold spell catch you before digging. Stop all cultivation between the middle of August and September 1st.



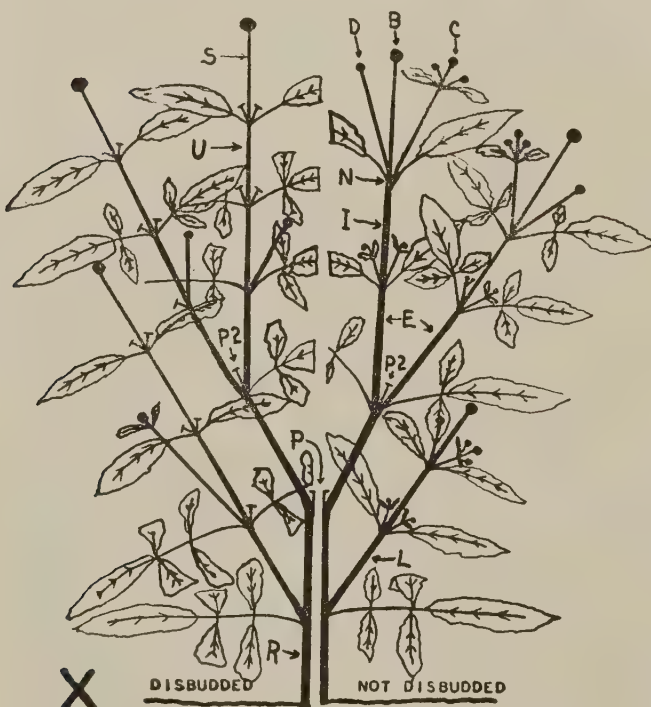
PINCHING OUT AND DISBUDDING

KEY LETTERS TO DRAWING

- B Terminal Flower Bud
- C Secondary Terminal Bud
- D Lateral Bud
- E Branch
- F Side Prune, removing B and D
- I Internode
- L Lateral Branch
- N Node
- P Pinched out once
- P2 Pinched out twice
- R Stalk
- S Stem
- T Where shoot or bud has been removed
- U Stem Stalk

These drawings are made with the hope of making disbudding easier. The **left side** of each drawing shows half of the plant disbudded, while the **right side** shows the normal development of branches and buds on the same plant when **not disbudded**.

We do not recommend disbudding the smaller type dahlias to the extent recommended below for **B-MEDIUM** or **A-LARGE** and **BALL dahlias**. However, partial disbudding of **ORCHIDS, SINGLE, COLLARETTE, MINIATURE** and **POMPON dahlias** will give you larger and more perfect blooms and longer stems. When the smaller type dahlias are planted early and you do not want early blooms it is best to cut back to about 6 inches above the ground about 6 to 7 weeks before you want blooms. Plug open nodes as recommended. Always leave the side shoots or branches to come into bloom.



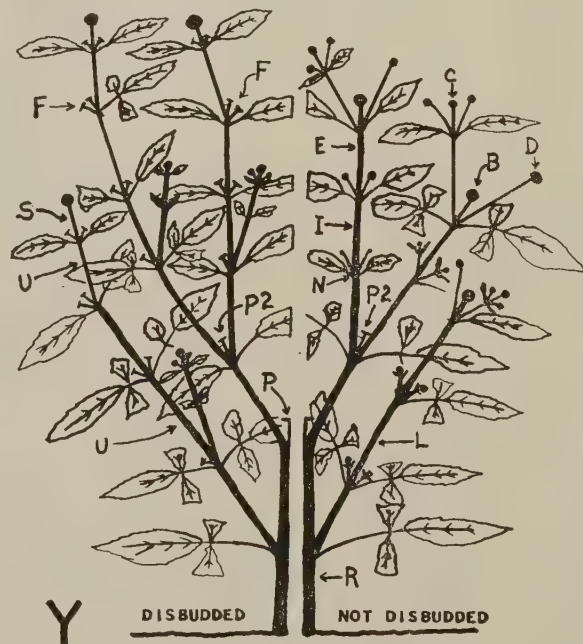
DRAWING X is recommended for most large flowering varieties with normal bush heights and length of stem.

PINCHING OUT is indicated on Drawing X and Y at P and P2, first and second pinching out, respectively. We recommend this system for **B-medium** and **A-large dahlias**. The smaller a plant is when pinched out, the quicker it will heal and branches develop.

Allow only one main stalk to grow (never more than two). Pinch out the crown or center above the second pair of leaves. The principle of taking out the center is to develop the eyes, which are located at the base of the leaves. The top pair of eyes will make themselves evident in surprisingly short time, and these shoots or branches on most varieties should be pinched back again, P2 unless they are short stemmed varieties. In that case, they should be side pruned as indicated at F in Drawing Y, leaving not more than one pair of eyes on each branch. By the time these get a start, the second or lower set of eyes on the main stalk will have developed along with those above. These stems should bear the first four to six flowers.

DISBUDDING, as indicated by T in drawings, is the pinching or rolling out of the small bud growing at the base of each leaf. These can be cut out with a pointed knife if they have developed considerably before disbudding.

When the terminal bud on each of the stems is about the size of a small acorn, or as soon as the side shoots are large enough to pull out, disbud by taking out all the side buds and shoots except the lower pair on each of the branches which should be allowed to grow to form later flowers. Leave only one side shoot as shown in Drawing X or one to two shoots on Drawing Y, should you desire very large flowers. These new branches should be handled as the previous set as soon as they have developed sufficiently.



DRAWING Y is recommended for varieties with short stems, making the foliage too close to the blooms, often termed as crotch bloomers. Disbud as indicated at F, removing B and D, and then remove two small buds from C.



All of the disbudded stem should be cut with the flower, when following X or Y. This early disbudding and pruning is not solely for the benefit of the first six flowers, but mainly to keep the bush low and properly branched for the future crop, also aiding in root development.

Should you fail to pinch out when plants are small, it will be necessary to use system shown on Drawing Z or exercise care with late topping or cutting back not to open hollow stems so that water can get in and start stem rot. These openings can be stopped up with grafting wax, plaster paris or modeling clay or capped with cellophane. Should water get into the stalk, slit the stalk just above the node with the point of a sharp knife, and by twisting the knife let the water out.

Certain varieties branch to excess. These should be thinned out at intervals of 2 weeks, and not more than six shoots allowed to come into bloom for the first flowers. This affords the plant better air circula-

tion and sunlight. Without plenty of air and sunlight your blooms cannot be fully developed and your foliage will be easy prey to mildew.

Pinching out once is best for varieties that branch readily, while pinching out twice will prove advisable on varieties that grow main branches rapidly and develop lower branches slowly.

IRRIGATION

Water only when your dahlias show need of moisture. Thorough watering can be spread over 2 days to allow time for penetration and is far better than a number of light sprinklings. Break the surface by cultivating as soon as the ground dries sufficiently not to lump or cake when worked. Frequent sprinkling brings the feed roots to the surface where they are sickened by the heat of the sun and injured by cultivation. Watering once a week should be sufficient even in dry weather.

PESTS

APHIDS (Plant lice) are small, soft-bodied, sucking insects either light green or greyish black in color. They usually work in groups on the underside of the leaves, causing the leaves to curl. At times they work on the young stems. Aphids are common carriers of Mosaic, a virus disease and should be kept in control for this reason, if for no other.

CUCUMBER BEETLES are of two common types, the spotted having 12 black spots, and the striped having alternate black and yellow stripes. They do considerable damage eating petals of buds and flowers.

EUROPEAN CORN BORER. This is a serious pest when infestation is heavy. The adult moth of the corn borer lays its eggs in a cluster on the underside of the leaf. The first generation hatches in June, the second late in August. Contact your county agent for exact time in your location. It is important that you keep a control spray or dust on the plant during the hatching period, as the tiny borers feed on the leaf surface for a few days before boring into the stem. It is also important to keep the insecticide on the new growth as the borers enter the stem just above the leaf bracket in this new growth. As the borer develops it weakens the stem, eating through the nodes and finally the stem breaks over.

All weeds, corn or dahlia stalks should be destroyed or dug under before May 1st as a control measure.

GRASSHOPPERS need no description and can be controlled by our spray recommended below.

JAPANESE BEETLES which are generally known and do considerable damage to the open blooms can be easily controlled by spraying.

LEAF-HOPPERS are larger than thrips and of a pale yellowish green color, a little over $\frac{1}{8}$ of an inch in length. They fly when the bush is touched especially during the heat of the day. These sucking insects do much to keep a plant from getting a good start. They work on the underside of the leaf causing the edges to first turn yellow, then brown. Finally the entire leaves die on the lower part of the plant.



DRAWING Z is another system which we do not recommend for our section of the country, or where there is a prolonged hot spell in the summer. However, where summers are cool, especially in the mountains, or where the seasons are short, early blooms may be grown without hurting the later crop by following Drawing Z. This system shows how disbudding without topping keeps the bush growth down to just the right height.



RED SPIDER OR SPIDER MITE are minute insects that usually work on the underside of the leaves. This gives the underside of the leaf a grey appearance, covered with a silvery web. The top of the leaf starts browning and develops into a leaf resembling cured tobacco.

These insects multiply very rapidly in dry, hot weather, spreading over an entire garden in a few days to a week's time, but they do not like cold wet weather or cold water, especially applied with pressure.

Red spider damage has been increased since the advent of DDT which destroys the parasite that normally helps control red spider. Red spider controls are of short duration while DDT control lasts about two weeks, so bear this in mind when using DDT.

TARNISH PLANT BUG is about $\frac{1}{4}$ inch in length, brassy brown in color and marked with black and yellow with red thorax. This is quite a troublesome insect in certain sections, especially parts of the mid-west. This insect punctures the flower stem causing the buds to dry up, in some localities even dwarfing the entire bush.

THRIPS are tiny insects which in the nymph stage are greenish grey in color and very hard to see without the aid of a magnifying glass. They do considerable damage in this stage. They enter the growing leaf bud and chafe the newly formed leaves, injuring them so that they develop malformed and curled, also injuring the small flower bud and stem. These insects seem to enjoy the life blood of certain varieties on account of its flavor and do not molest the adjacent bush. If the attack is not checked the leaves will be gnarled and twisted, and the buds one-sided or so injured that they dry up and fall off. This usually results in a stunted bush, which in reality is only weakened by insect ravages.

The onion thrips in particular are the best known carriers of ring spot making the control of thrips very important where any ring spot is present.

INSECT CONTROL

For years we have been looking for an all purpose insect control and now we feel it is here. However, it **cannot** be used on fruits or vegetables as it has a musty odor and imparts it to the fruit or vegetable. It is less dangerous to use than Black Leaf 40 (Sulphate of Nicotine) but precautions noted on packages should be adhered to. All of the above mentioned insects can be controlled by the following recommended spray and used at the one prescribed strength. It is, of course, much easier to control insects before there is a heavy infestation, and less damage will be done.

There are other new insecticides on the market, no doubt efficient, but we are afraid to use them and would certainly not recommend them to our customers.

RECOMMENDED INSECT CONTROL

We have obtained exceptional results, practically 100% insect control with one application of the following spray: **2 heaping tablespoonfuls of 50% wettable BHC** in combination with $\frac{1}{3}$ **teaspoonful TAT Hexate** and $\frac{1}{2}$ **teaspoonful LINCK WA** to each gallon

of water. This we feel sure will control all the troublesome insects listed above, including the European Corn Borer if spray is kept on the plant at the proper time. Use the same precaution as when spraying with nicotine sulphate: namely—wash hands immediately to remove concentrated spray material and keep away from breathing the spray by spraying with the wind.

TAT BHC contains the new outstanding chemical Benzene Hexachloride. This product acts as a contact, stomach and fumigant insecticide. It is up to 15 times as toxic to certain insects as DDT yet only $\frac{1}{5}$ as toxic to warm blooded animals. Exceptionally effective against sucking bugs, aphids, leaf-eating insects (even killing the egg), wireworms, thrips, scale, grasshoppers, locusts and ants. It does not have the long residual effectiveness of DDT due to its fumigant action, however, this is advantageous in that it reduces the danger of any long lasting residue.

Although it has a somewhat objectionable odor, the results are so far ahead of anything else that you gladly tolerate the musty odor.

TAT HEXATE is a newly formulated compound containing Hexaethyl Tetraphosphate and a wetting, spreading agent. Replaces nicotine sulphate in controlling aphids; also excellent for control of plant mites (such as red spider), and other insects.

VAPOTONE—XX Spray. A new organic insecticide containing Tetraethyl Pyrophosphate. This may be substituted for TAT HEXATE in above Recommended Insect Control. It has given equal results for us and costs less money.

LINCK WA. A wetting agent recommended for low pressure spraying when using BHC with Hexate or Vapotone. The purpose of a wetting agent is to relieve the surface tension, allowing the spray to cover the insect or flow over the entire surface of the area sprayed. The proper amount of WA will vary according to how hard the water is that is used in the spray. When using the amount prescribed and spray rolls up in small drops, then reduce the quantity of WA.

CORN BORER DUST (Nicotine Bentonite Dust). 4% actual nicotine content with wetting agent added. Four to five applications should be made at five to six day intervals, starting at the time of the first eggs' hatching. Five pounds should take care of 100 to 150 dahlia bushes for four applications (size of bush will vary amount needed). Directions with each package.

Prices listed in our catalog under Dahlia Growers' Supplies.

CUT WORMS are easily controlled by scattering about a teaspoonful of poison bran bait around the plant (but not touching it) as soon as plants are set or shoots appear from roots. The early evening is the best time to apply it.

2 tablespoonfuls of molasses or brown sugar (dissolved).

1 level teaspoonful of paris green or arsenate of lead mixed in the juice of an orange or equivalent in water.

1 quart of bran or enough to make a reasonably dry mash.



MILDEW. Commonly known to most growers, it starts with grey spots on the leaves and is more prevalent in the fall. Adverse growing conditions, planting too close, poor air circulation, and extremes, are all contributing factors. Dusting sulphur applied to the underside of the leaves on its first appearance will usually control it.

STUNT, a general term, can be sub-divided as follows:

1st—From lowered vitality as a result of poor culture, lack of cultivation or adverse weather conditions.

2nd—The ravages of attacking insects, thrips, aphids, leaf-hoppers, red spiders, stem borers, etc.

3rd—The rotting of feed roots caused by chemical burn or soil too rich in nutrients, excessive water where drainage is poor, or water in hollow part of stalk where openings are not plugged.

4th—Virus disease, either mosaic or ring spot. Mosaic is best identified by the following characteristics: The veins of the leaf become lighter than the other areas. This can be detected by looking through it toward the light. The leaves are smaller, somewhat crinkled, the inter-nodes in the top of the plant become shorter instead of longer as they would in a healthy plant. The bush practically stops growing in the top and excessive branching follows. Presence of a corn borer will also stop the growth in the top of a plant.

Aphids are the carrier for this virus.

Ring Spot is a virus usually showing up on the lower leaves in the form of a somewhat circular light green pattern or design, the edges of which are zig zag. The area within this pattern will at times turn brown.

The carrier for this virus is the thrips.

It is the best practice—**First**, keep aphids and thrips under control. **Second**, destroy stock you are sure carries a virus. **Third**, rid your garden of chick weed as it is a known host for ring spot.

CUT FLOWERS

Dahlia blooms should be cut in the late afternoon or early morning, removing the lower leaves and all of the buds of the large varieties, if not disbudded. Immediately put in water in a cool dark place to freshen for 4 hours or more or over night, before placing them in the house or in the show room.

HOT WATER TREATMENT. Cut and freshen as above then put stems in 1 inch of water, almost boiling, for 1 to 2 minutes, keeping bloom away from any steam. Then place in deep cold water to cool. They can, however, be given the hot water treatment immediately after cutting, then placed in cool water to harden off. Flowers are then ready to ship by packing in a strong corrugated box lined with tissue or wax paper. Pack blooms in both ends of box, face up, with stems toward the center. Fasten stems down by nailing a wooden strip in the center of the box or by tying down through the bottom. Flowers packed snugly will carry better than when packed loose and allowed to batter.

Flowers when wilted can be freshened by cutting end of stem and placing in hot water as above. If necessary to completely freshen flower, repeat this operation but cut off discolored end of stem before again placing in hot water.

The hot water treatment will do wonders in making your exhibition blooms keep fresh after staging, but do not cut off the discolored end of stem unless you are again going to treat it.

The physical action of a cut flower is to take up water into the stem which evaporates through the flower and foliage. The slower this action of evaporation or transpiration takes place, the longer the life of the flower. From this you will see that buds and excessive foliage will shorten the life of your flower. Also avoid placing cut flowers in a draft.

DIGGING AND STORING DAHLIA CLUMPS

Dahlia stalks should be cut at the ground level directly after or within a week after frost has killed the leaves and discolored most of the stalk. Then allow about a week for stalks to bleed out before digging.

Care should be exercised so that the necks of the tuberous roots will not be broken. Loosen the roots by prying with a long tined garden fork thrust in the ground about a foot from the crown, preferably all the way around, before attempting to remove clump. Two digging, one on either side of the clump, is even better.

After digging clumps, cut dahlia stalks about 2 inches above crown and allow clumps to sun or air dry for part of a day, according to amount of moisture in soil. Free most of the soil by tapping on the end of the cut stalk with a block of wood.

Line flat bushel baskets, boxes or similar containers with paper, preferably waterproof. Pack the container about half full of dahlia clumps and then pour in Horticultural Vermiculite, covering roots. If necessary, split large clumps to facilitate packing, dipping cut portions in Dahliadel Dip (one part sulphur to three parts fibrous talc). After filling container with clumps cover all roots completely with vermiculite and store in cellar, the cooler the better, as long as it is above freezing. When necessary to store in a dry, warm cellar place bushels in the coolest corner and cover with any material available that will keep the warm air in the cellar from circulating around the containers.

Should you have a root cellar with a temperature from 40° to 45°, properly ventilated, dahlia roots should not need any special covering.

To remove clumps from container, make a screen of 1/2-inch mesh wire that will fit over top of the container and by inverting container and shaking gently, practically all the vermiculite will shake out into another container. This leaves the clumps as packed.

We have found vermiculite the cleanest, handiest and most satisfactory medium in which to pack dahlia clumps or roots for winter storage.



DIVIDING CLUMPS

Dahlia clumps can best be divided with the aid of double cutting pruning shears and a pruning knife. Broken necks and fibrous roots should first be removed. The eyes are on the crown and never on the root proper. Then proceed to divide with shears or knife. Care should be exercised to have a piece of crown with at least one eye connected with each one or two roots. Then all cut portions should be dipped in **Dahliadel Dip**. Clumps should never be planted without dividing.

WHEN TO DIVIDE. For the amateur, clumps are better partially divided in January or February. Trim out any portions of crown or roots that show decay. On early dividing it is not advisable to cut apart to single root divisions, but rather divide a clump into two to four pieces, leaving two or more roots to a division. These can be again divided at planting time as long as you have one good eye with each root. Dip cut portions in **Dahliadel Dip** and repack as before. When dividing clumps, tagging each division becomes quite a chore, also these tags must be removed before planting. It is therefore less work to wet the root with a sponge or rag and mark either name or number right on the root with an indelible pencil. This will not come off when packed in vermiculite or even during a growing season in the ground. Let roots dry in air before repacking in vermiculite.

DAHLIA CULTURE FOR FLORIDA AND PARTS OF TEXAS

Cultural instructions in general can be used with the following exceptions. Dahlias need more shade than in the north, they do well on the north side of citrus or other trees getting some morning and afternoon sun, or grown in a slat house similar to the ones used for growing asparagus fern. Fertilize about once every 4 to 6 weeks, using smaller quantities for each application than recommended under **Fertilizer**, as it is a longer growing season and with a porous soil 1½ to 2 times the total recommended amounts can be used during the entire growing season.

Dahlias do not respond to pinching out as they do in the north and some varieties will not branch at all when pinched back, so handle your bushes according to Drawing Z.

LANDSCAPE WITH DAHLIAS

A number of varieties are now available that lend themselves wonderfully well to landscape work. They may be grown where a mass color effect is wanted, or may even be started in pots and set out in mid-season after other plant material is through blooming.

Dwarf Dahlias were originally used in landscape planting, and they are still fine for low effects, but a number of Miniatures are more desirable, and in general easier to grow, giving higher effects suitable for central or background plantings. They are also available in a greater range of colors, and lovely in beds or border plantings.

SCORING DAHLIAS

To simplify classification to size and use of the dahlia, we have scored all varieties grown at Dahliadel according to our new field score card.

Three sizes of dahlias, as listed in A.D.S. Standard Nomenclature, may be scored with this card: **M—SMALL**, under 4 inches in diameter; **B—MEDIUM**, 4 to 8 inches; and **A—LARGE**, over 8 inches. Each number represents maximum points for perfection based on favorable characteristics present in flower to be scored.

To start judging we set up a mind's picture of an absolutely perfect flower of the same size, type and color classification. Then deduct for imperfections from each specific quality. Start with **COLOR**, then **FORM**, etc., using the column of figures under M for Miniature, B for 4 to 8 inches and A for over 8 inches. **DISTINCTIVENESS** is mainly for **COLOR** or **FORM** when distinctly different from existing varieties.

Although not official, we have 2½ pages of dahlias classified as BB in the front of our catalog to satisfy public demand for a medium size bloom suitable for cutting and decorating. They grow from 4 to 6 inches and are good keepers when cut. Classes are set up for this size in the A.D.S. Show Schedule and in a number of other shows throughout the country, and they are proving very popular. Varieties in this class are B Dahlias that do not grow over 6 inches and include overgrown Miniatures, giving you a chance to disbud and grow some really nice blooms without danger of oversize.

DAHLIADEL SCORE SHEET

FOR FIELD SCORING

Name	Type
Originator	Color
M B A Score	Source
20 20 20	COLOR
15 15 15	FORM
5 5 5	DISTinctive
3 0 10	SIZE disbudded " x " Natural " x "
20 20 20	STEM ["] T \ I /
15 15 15	{ BUSH & ["]
	{ FOLIAGE
	Insect injury
	Ring Spot
	Mosaic
12 15 10	SUBstance
10 10 5	FLORiferous E M L [Uniformity Show Room]
Total	Date
	Where
Remarks	

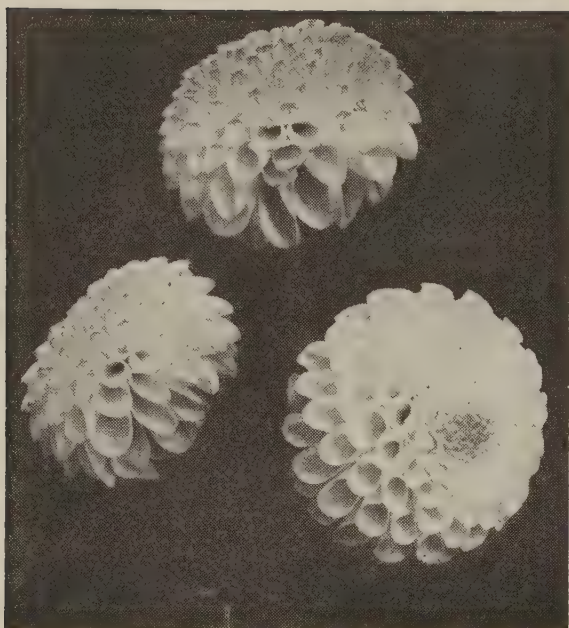
DAHLIADEL RECOMMENDATIONS

For Exhibition or Your Garden

If you were at Dahlia del and asked me to check a list of the most satisfactory varieties of dahlias for you to grow, you would probably say you wanted varieties that are not temperamental. Then you would ask for those easy to grow, that produce plenty of flowers good for cutting; house decoration, and exhibition —oh yes, you would want some of the big ones too that will be the envy of the neighborhood. Well, here they are.

With this table of recommended varieties you can pick the types and colors you like most. Where there is more than one, the top variety is the newer and likewise the higher priced one. Practically all of the varieties have won prizes at Shows or Trial Grounds, and will do it again if properly grown and exhibited.

	WHITE	YELLOW	ORANGE & AUTUMN	RED & DK. RED	PINK	LAVENDER	PURPLE	LT. BLEND & O BLEND	BI-COLOR & VARIEGATED
St C	Dandy Snow Snowball Jersey Dainty	Magnetic Allegresse Marlette E.	Orange Imperator Ballerina Capt. Cedarquist	King Size Skyrocket Victory Day	Mrs. E. J. Mrs. H. O'Connor Mrs. Edw. Diehl	Hoek's Glorie Vivianne Coppens Mme. Eliz. Sawyer	Doreen E. Ella May	Aumonier Chandelon Miss San Diego Saarlands Heimkehr	
IC	Snowcrest	Sylvia Ann Conqueror	Oakleigh Champion Golden Standard	Gen. Eisenhower Nancy A. Mitchell Son of Satan	S. Pink Flamingo Pink Mum	Bedford Beauty Mme. C. Jussiant	Red Tornado Regalia	Golden Jupiter Rhythm Gail Keppel	Flash-Bi
S-C	Faithful Michigan White	Atomic Yellow Yellow Special Scarsdale Sun	Magnificent Ronnie Lee	Red Velvet Silver Tips Lady in Red Maffie	All American Peach Dawn Lovely Jewel	Marilyn Dale Ray Smith Essie Smith	Cheadle Park Jean Trimbee Adolf Mayer	Paoli Local The Aristocrat Noble Glory Miss Elsie Jane	Jane Lausche-Bi
ID	Madonna Emma Caroline Valley Snow Windlassie White Winner	Nobby's Light Joan Ferenz Salem Sunshine Arelida Lloyd	Calif. Pageant Aglow Mme. C. Kai Shek Sherwood's Peach Dahlia-mum	Drum Major Mrs. Hester A. Pape Satan's Disciple Cherokee Brave Anna Benedict	Whiz Kid Victory Eclipse Pink Elephant Kelvin Ogden Reid	John W. Sherwood Katie K. Premier's Winsome	Shirley Wright Kemps Purple Triumph Michael Black Glamour	Silver Glamour Autumn Blaze September Gen. J. J. Pershing Silver Lady	Crystal Surprise Wanda Weade-Bi Kemp's R. Beauty Freckles-Var
FD	Brides Bouquet White Beauty Winged Victory The Keal Glory	Wiley Post The Governor Sparkler Gay	Major Viers Volcano Kirsten Flagstad	Supreme Command	D-Day Victory Jersey Beauty	Lavender Prince Michigan O (Keiser) Links Blue Triumph Blue River	King David Deep Velvet Purple Mist Thos. A. Edison	Arthur Godfrey Five Star General Lena King Peter II	Frances Hanna-Bi Jeanette-Bi Gypsy Girl-Var
Ba	Mozart Ky. Snowball	Mary Helen	Char. Caldwell	Dusky	Supt. Amrhyrn			Rosy Dawn Jeep	Clara Clemens-Bi
MC	Snowsprite	Chips Arabeske Daisy Mae	Andries' Orange	Atomic Ray Dubonnet	Little Miss Prim Jubilant (Holland)	Estelle Betsy T	Fuchsia Gem Lombaerts Violet	Norma Jean	
MD	Little Jimmy Snow Baby White Fawn	Cheryl Anne Nibs Little Lemon Drop	Fuzzy-Wuzzy Baby Sagamore Buckeye Baby	Ike Jennie A. Mickey	Pink Lady Dearie Baby Fonteneau	Nellie Shee Little Susan Little Joanne	Miss Plumb	BoBo Jubilant (Dahl) Rapture	Red Shadow Bi Zest Bi Funny Face Bi
Pom	Mrs. J. J. Telfer Bob White	Mimosa Brass Button Little Buddy	Little David Honey	Sweetie Ila Red Warrior	Betty Anne Mrs. French	Marg Williams Mary Munns Helen Anita	Sherry	Betty Malone Morning Mist	Eileen-Bi
S	Dah. Snow White Little America	Candle Light	Bachelor Girl Tango	Temptation Scarlet Century	Bonnie Esperance			James Weller	Jersey Maid-Bi Marshall Gloria-Bi
O	Everest	Imp		Collegiate Dahlia del Whisper	My Lassie		Lone Star	Dahl. Twinkle	



Jeep



BALL DAHLIAS

CHARLOTTE CALDWELL (Creeside 85B), Bloom 6 x 3, Bush 3 ft. Mars orange suffused apricot. Large uniform blooms. Strong stems and bush, with healthy foliage. Keeps well. Very popular as a cut flower.

Root, .50

CLARA CLEMENS (Pelicano 84B), Bloom 4 x 3, Bush 5 ft. Red tipped white. Very striking. Later in season petals quill sufficiently to qualify as a Ball dahlia.

Root, .75

DUSKY (Do 85M), Bloom 3 x 3, Bush 3 ft. Miniature Ball of carmine shaded maroon. Well-quilled petals roll back to stem. Prolific. Winner of 2 Certificates and Derrill Hart Medal.

Root, .75 NET

JEAN KERR (Burpee 83B), Bloom 4½ x 3, Bush 4 ft. A profitable white for a cut flower. Bushes compact with blooms held above the foliage. Good stems. Inclined Formal Decorative at times.

Root, .50

JEOP (Dahl 85M), Bloom 3½ x 3, Bush 4 ft. White suffused violet rose and tipped purple violet, more pronounced in the early season. Blooms early and profusely. Certified at Storrs, and a novelty that is sure to please.

Root, .75

KENTUCKY SNOWBALL (White 85B), Bloom 4 x 2, Bush 3 ft. Pure white. Does not burn. Profuse. Stems long and erect. Best in ordinary culture.

Root, .50 NET; Pot Root, .50 NET

MARY HELEN (Alling 85B), Bloom 4½ x 3½, Bush 5 ft. Deep canary yellow. Well-formed blooms, good stems, vigorous and profuse.

Pot Root, .75 NET; Plant, .50

MAUDE ADAMS (Alex 84B), Bloom 4 x 3, Bush 3½ ft. White suffused amaranth rose. A very pleasing color. Flowers are always uniform. An old variety but still good.

Root, .75

MOZART (Dahl 85B), Bloom 4½ x 3, Bush 3½ ft. Pure white. Early and holds good centers all season. Quantities of perfect blooms. Strong rugged bush. Certified at W. Va. On Honor Roll.

Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

RONDKOP (Holl 84M), Bloom 3½ x 3, Bush 3 ft. Sulphur yellow edged claret rose. Blooms well formed. Stems strong and erect.

Root, .75; Pot Root, .50

DWARF DAHLIAS

A wonderful race of dahlias that has attracted much attention in our fields. They are particularly adapted for landscape planting in beds or borders as they start blooming early in the summer when about one foot high and bloom continuously until frost, growing to about 2 feet in height. These dwarf dahlias are very useful for forcing in pots indoors.

EASTER GREETING, SC, Bloom 4 x 1½. The original variety of this type. May be grown in pots as a blooming plant, or for cutting. White with creamy cast.

Plant, .50

ELSIE, SC, Bloom 4½ x 2½. Soft peach red shading to lemon yellow at center. Fine form.

Plant, .50

FRED SPRINGER, FD, Bloom 6 x 3, Bush 2½ ft. Rich scarlet. Effective bright fern-like foliage. Larger than the other Dwarfs.

Root, .75 NET; Pot Root, .50 NET

GERDA, ID, Bloom 4 x 2. Deep violet rose. Good stems hold blooms well above the foliage. Very good.

Root, .50

KATE, FD, Bloom 4 x 2. Bright cardinal red. Blooms are attractive, uniform and good for cutting. Very striking.

Root, .75; Plant, .50

NICKIE (Dahl 85), StC, Bloom 4-5 x 3. This finest of all yellow dwarfs is a lovely Cactus, perfect in form. Truly dwarf with bushes 18 inches high. Blooms keep well on the bushes and when cut. Holds perfect form throughout the season.

Pot Root, \$1.00; Plant, .75

RUBY MAE, SC, Bloom 5 x 3. A deep, crimson red with a purplish cast. Produces a nicely rounded bush. One of the best.

Root, .75; Pot Root, .50; Plant, .50

BALL DAHLIAS—Cont'd

ROSY DAWN (85B), Bloom 4 x 3, Bush 5 ft. Empire yellow suffused and tipped Tyrian rose. Certified at E. Lansing. Very attractive.

Root, .75

SUPT. AMRHYN (85B), Bloom 4½ x 3, Bush 4½ ft. Mallow purple shaded amaranth rose. Excellent stems and bush. Fine for cutting and exhibiting.

Root, .50



ORCHID FLOWERING DAHLIAS

This type of dahlia is most interesting, and popular for landscape effects, table decorations or graceful, airy arrangements. The bushes are compact, free blooming and prolific. Most of the flowers are 4 to 5 inches in diameter, and bushes are 2 to 3 feet in height except where noted. Wonderful for landscape effect when pinched out once, but should not be thinned out nor disbudded. If Collarette, Orchid Flowering and Single dahlias are cut before the pollen shows, they will hold their petals and keep for days.

COLLEGIATE (Dahl 85). Tan with a garnet red reverse. Quite modern and appealing. Very profuse, and flowers are always good. Bush healthy and sturdy.
Root, .75 NET

DAHLIADEL TWINKLE (Dahl 85). White suffused violet rose with distinct Tyrian rose mottlings on reverse of petals which roll forward. Perfect in form and useful in arrangements.
Root, .50

DAHLIADEL WHISPER (Dahl 85). Popular for cutting, arrangements and in the garden. Maize yellow with scarlet reverse. Long erect stems hold well after being cut.
Root, .75; Pot Root, .50

EVEREST (85). Pure white throughout. Long, graceful recurving florets. Good size.
Root, .50 NET

IMP (Dahl 85), **Bloom 3**. Clear lemon yellow. Petals tightly rolled. Fine for arrangements and exhibition. Dudley's Honor Roll.
Root, .50 NET

LONE STAR (Dahl 85). Light lemon yellow with soft French purple on reverse. Long erect stems, fine for cutting. Useful for landscape or border planting.
Root, .75; Pot Root, .50

MY LASSIE (Dahl 85). A beautiful soft rose pink with cream and lighter shadings toward the center. Almost identical in coloring to Pink Lassie, hence its name. There is no other pink Orchid Flowering dahlia that we know of. Stems are long. Early, profuse, and easy to grow.
Root, \$1.00



Dahliadel Twinkle

MINIATURE PEONY DAHLIAS

Open-centered with 2 to 5 rows of petals

BISHOP OF LLANDAFF (85), **Bloom 3 x 1½**, **Bush 4 ft.** Bright scarlet with a deep garnet center. Lacy foliage of reddish bronze makes it a "standout." Unusual and attractive.
Root, .50 NET

PINK LASSIE (Moore-Dahl 86), **Bloom 3½ x 1½**, **Bush 2½ ft.** Soft rose pink with cream and lighter shadings toward center. Petals curl and twist. Rugged bush. Profuse. Superb for arrangements and landscape. A "must have."
Plant, .75

ANEMONE DAHLIAS

VERA HIGGINS (Ball 84), **Bloom 3 x 2**, **Bush 1½ ft.** Disc petals are a light cadmium and coral pink, while the flower in general is apricot suffused rose. Rather unusual for an Anemone type flower. A free bloomer. Stems good. Certified at Storrs.
Root, \$1.00

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You Are Cordially Invited

Visit us at Dahliadel any time. Of course, during the latter part of September and October, when our thirty acres are ablaze with color, you can see and check on our hundreds of varieties.

You may visit us at any time during the year and be assured a warm welcome. In winter our green houses, propagating houses, and maze of storage cellars provide interest to many.

In the spring you will find thousands of green plants in all stages of development from newly made cuttings to plants ready for shipment, and can see for yourselves the watchful care we exercise in producing the best plants possible.

What we are trying to say is that Spring—Summer—Autumn or Winter we are "at your service."



SINGLE DAHLIAS

BACHELOR GIRL (Dahl 85), Bloom 5-6, Bush 4 ft. Stunning clear bright orange of one tone. Large and graceful, with tips of petals rolling back. Sturdy plant, rigid stems. Honor Roll. Root, .75

BONNE ESPERANCE (Bru 85), Bloom 1, Bush 1 ft. A light Tyrian rose or Persian rose. This unusual novelty is fine for landscape planting and fine for small arrangements. Root, \$1.00; Plant, .50

CANDLE LIGHT (Dahl 85), Bloom 5, Bush 5 ft. A brilliant yellow. Healthy bush and strong stems. Very profuse, and excellent for cutting. Petals at center resemble candle-light rays. Plant, .75

DAHLIADEL SNOW WHITE (Dahl 85), Bloom 5, Bush 4 ft. Pure white with serrated petals which roll forward, inclining somewhat to the Orchid Flowering type. Excellent stems, and a good keeper for arrangements. Plant, .50

GARNET POINSETTIA (Pea 84), Bloom 7, Bush 6 ft. Rich, glowing garnet. Large blooms of poinsettia form are held on long stiff stems on strong plants, producing profusely. Root, .50

JAMES WELLER (Pea 85), Bloom 6, Bush 5¼ ft. Rich golden yellow with central zone of each petal soft rosy red. Long stiff stems. Root, .50

JERSEY MAID (Dahl 85), Bloom 3, Bush 3 ft. An exquisite bi-color seedling. Clear bright lemon yellow and white. Uniform flowers. Excellent keeper, and a gem for arrangements. Plant, .75

LITTLE AMERICA (Dahl 85), Bloom 5, Bush 5 ft. An outstanding and artistic white. Petals roll forward resembling a giant Poet's Narcissus. Stems long and erect. Excellent keeping qualities. Very showy in the garden. Root, .75; Pot Root, .50; Plant, .50

MARSHALL'S GLORIA (Che 85), Bloom 4½, Bush 3 ft. Striking bi-color of cardinal red with a white stripe in the center of each petal. Rugged grower. Petals curl artistically. Root, .75; Pot Root, .50

SCARLET CENTURY (Pea 84), Bloom 5, Bush 5 ft. Bright, glowing scarlet on erect stems. Good grower, profuse well-formed blooms. Root, .50

SCHNEEPRINZESSIN (Holl 85), Bloom 4½, Bush 4 ft. Glistening white. Wonderful long straight stems. Early and fine for exhibiting. Root, \$1.00; Plant, .75

TANGO (Dahl 80), Bloom 5½, Bush 5 ft. A lively autumn tint, cadmium yellow, shaded scarlet orange. Attractive. Root, .50



Sparkle

TEMPTATION (Dahl 85), Bloom 4½-5, Bush 4 ft. This fine scarlet red Single is almost identical to a poinsettia in color and form. Stands plenty of sunshine without burning or fading. A good open grower with long stems. Good keeper, and fine for cutting. Root, .75; Plant, .50

TOP MIX (Bru 85), Bloom 1½, Bush 1 ft. A new race of Miniature Single Dahlias that is unique and fine for Miniature arrangements. Varieties have not been established as yet, and we can offer in mixture only. The colors are blood red, cardinal, Tyrian purple, and Saturn red (orange red). Root, .75; Pot Root, .50

COLLARETTE DAHLIAS

COINCIDENT (Dix 85), Bloom 4, Bush 3 ft. Cherry red definitely edged straw yellow with primrose collar. Very showy. Root, \$1.50; Pot Root, \$1.00; Plant, .75

ERICA (Ball 85), Bloom 4½, Bush 3 ft. Ruby red, almost black. Collars of same tone with white tips. Very striking. Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

FANDANGO (Mack 85), Bloom 4, Bush 3 ft. Deep crimson red with collar the same color flaked yellow and white. Worthwhile. Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

LA CIERVA (Holl), Bloom 4½, Bush 3½ ft. Unusual and most pleasing deep cardinal or chrysanthemum crimson with a large white and self-colored collar. An imported variety gaining in popularity. Plant, .75

MITZI (Dahl 84), Bloom 4½, Bush 4 ft. Crimson carmine shading to primrose yellow at center and edged white. Unique and showy. Good bush, erect stems. A good keeper. Root, .75; Plant, .50

SATURN (Dahl 85), Bloom 5, Bush 3½ ft. Clear lemon yellow with yellow collar. Fine for arrangements. Bush sturdy and strong. Long stems hold flowers perfectly. Exceptional keeper. Award of Honor, Ga. Root, \$1.00; Plant, .50

SPARKLE (Dahl 85), Bloom 3½, Bush 2½ ft. Pure white that truly sparkles. Beautiful bush. Easy to grow, full of vitality, long straight stems, and a good root maker. Root, \$1.00 NET; Pot Root, .75 NET; Plant, .50

TRIBUNE (Dahl 85), Bloom 5, Bush 4 ft. Deep rich Tyrian purple with white collar petals edged carmine. Fine for cutting. Blooms from early until frost on strong erect stems. Plant, .50



MINIATURE CACTUS DAHLIAS

BETSY T (Tooker-Rus 85), **StC**, **Bloom** $3\frac{1}{2} \times 2\frac{1}{2}$, **Bush** 4 ft. A very fine bright lilac with lighter tips. Certified at Storrs. Fine for cutting. **Root**, .50 **NET**

LITTLE MISS PRIM (Dahl 84), **StC**, **Bloom** $2\frac{1}{2} \times 1\frac{1}{2}$, **Bush** $1\frac{1}{2}$ ft. Dainty rose pink lightening toward center and tips. Exquisite and appealing, with many winnings. Dwarf bush with long stems. Very profuse, although at times open centered. **Root**, \$1.00 **NET**; **Plant**, .50 **NET**

LITTLE PEACHES (Vanderheid-Kemp 85), **StC**, **Bloom** $3\frac{1}{2} \times 1\frac{1}{2}$, **Bush** 3 ft. A pleasing salmon pink, suffused rose pink. Winner in the Seedling Class at New York. Long wiry stems, and a prolific bloomer. **Plant**, .50

MYALL SONNE (Aust 85), **StC**, **Bloom** $3\frac{1}{2}$ - $4\frac{1}{2} \times 2$, **Bush** 4 ft. A deep lemon yellow. The best Miniature Straight Cactus in yellow that we have found. Good growing habits. **Root**, .75

MINIATURE SEMI-CACTUS DAHLIAS

ANDRIES' ORANGE (Andries 85), **Bloom** $3\frac{1}{2} \times 2\frac{1}{2}$, **Bush** 3 ft. Clear bright orange. Stems perfect and flowers of excellent form. Many winnings. One of the best. **Root**, .50 **NET**; **Pot Root**, .50 **NET**

ARABESKE (Bru 85), **Bloom** 4×2 , **Bush** $2\frac{1}{2}$ ft. Soft primrose yellow. Early, prolific, with full centers, and long slender stems. Will grow oversize. **Root**, .75; **Pot Root**, .50

ATOMIC RAY (Doz 85), 1948, **Bloom** 3×2 , **Bush** 3 ft. Scarlet with yellow undertone and slight yellow tip. A prize winner and on Dudley's Honor Roll. **Root**, \$1.50; **Pot Root**, \$1.00

CAMEO STAR (Doz 85), 1948, **Bloom** 3×2 , **Bush** $2\frac{1}{2}$ ft. Soft amaranth rose with white center getting lighter as season advances. Early and profuse with fernlike foliage. **Root**, \$1.00



MINIATURE SEMI-CACTUS DAHLIAS—Cont'd

CHIPS (McKay-Dahl 85), 1948, **Bloom** $3\frac{3}{4} \times 2$, **Bush** 4 ft. Lemon yellow lightly suffused soft red at tips, that is so different with its pointed, notched petals. Strong open grower, with long wiry stems. Holds a full center, and produces multitudes of blooms. Won A.D.S. Trophy in seedling class at N. Y. **Root**, \$1.50; **Pot Root**, \$1.00; **Plant**, .75

DAISY MAE (Gold 85), **Bloom** 4×2 , **Bush** 3 ft. Primrose yellow. Consistent bloomer and a fine healthy grower, with long stems. **Root**, .75

DOUBLE VICTORY (Goddard-Rock 85), **Bloom** 3×2 , **Bush** $4\frac{1}{2}$ ft. Carmine red with yellow cast. Petals serrated. Profuse bloomer and good keeper. Achievement Medal winner. **Root**, .75

ESTELLE (Eldridge-Dahl 85), 1948, **Bloom** $3 \times 1\frac{1}{2}$, **Bush** $3\frac{1}{2}$ ft. Amaranth rose, shading darker. Ideal branching habits. Blooms from early to late with good centers. Fine stems for arrangements and a real winner. **Root**, \$1.50; **Pot Root**, \$1.00; **Plant**, .75

FUCHSIA GEM (Lake 85), 1947, **Bloom** $3\frac{1}{2} \times 2$, **Bush** 3 ft. Bright amaranth purple. Prolific and graceful. Won the Derrill Hart Medal. Good grower with fine stems. **Root**, \$1.00; **Pot Root**, .75

JUBILANT (Holl 85), **Bloom** 4×2 , **Bush** 3 ft. A light Persian rose from Holland. Very pretty for cutting and exhibiting. Grows oversize very easily. Not too profuse. **Root**, \$1.00; **Pot Root**, .75

LOMBAERT'S VIOLET (Holl 85), **Bloom** 4×3 , **Bush** 3 ft. A bright dianthus purple. Strong stems, very prolific. Fine for cutting and exhibiting. **Root**, \$1.50; **Pot Root**, \$1.00; **Plant**, .75

PETIT SONNE (Aust 84), **Bloom** 3×2 , **Bush** $2\frac{1}{2}$ ft. Yellow shaded salmon rose. Neat, attractive and a mass of blooms all season. **Root**, .50

SNOWSPRITE (Shee-Dahl 85), **Bloom** $3\frac{1}{2} \times 2$, **Bush** 3 ft. Beautiful glistening white. Uniform blooms of fine form are held well above the robust bushes in marked profusion. Our best white Miniature Cactus. **Root**, .50



MINIATURE INFORMAL DECORATIVE DAHLIAS

CHICO (Cha 85), Bloom 3 x 2, Bush 2½ ft. A beautiful scarlet for cutting that has won several prizes. Has long stems and is a good keeper. Root, .75

JEANIE (Gold 85), Bloom 4 x 2, Bush 3½ ft. Apricot yellow with carmine suffusion. Rugged bush and blooms held in good position. A fine dahlia for cutting. Root, .50

JUBILANT (Dahl 86), Bloom 3 x 2, Bush 3½ ft. Soft cherry red, inclined orange, with a lighter reverse. Makes a bright spot in any garden. The first dahlia winning the Derrill Hart Gold Medal with an average of 85.6. One of our best, and blooms incessantly. Root, \$1.00; Pot Root, .75

LITTLE JOANNE (Lake 85M), 1950, Bloom 3 x 2, Bush 4 ft. Amaranth rose shaded lighter, general effect lavender. Good keeper, and a fine cut flower that blooms profusely. Root, \$3.00; Plant, \$1.50

PASSEPARTOUT (Holl), Bloom 4 x 2, Bush 3½ ft. A bright Orient red for cutting. Prolific with fine stems and most attractive. Root, .75; Pot Root, .50

RALEIGH (Draper San 84), Bloom 3½ x 2, Bush 4 ft. Deep rose shaded salmon. Strong rugged bushes. Early, fine for arrangements and cutting. Root, .50

RAPTURE (Dahl 85), Bloom 3½ x 1½, Bush 4½ ft. Rose pink shading to sulphur yellow at center. Very artistic. Does well in the South. Bush, stems, and keeping qualities excellent. Very profuse. Certified at Storrs and E. Lansing. Root, .75

RICKEY (Bugg 84), Bloom 3½ x 2, Bush 3½ ft. A bi-color of red and white. Very striking and a strong grower. A prize winner. Root, .50

Winter Care of Clumps

Especially in sections of the country where roots were chilled by early freezes, look roots over early. Trim broken necks and decayed portions. Then partially divide as recommended in Cultural Instructions. See "Digging and Storing Dahlia Clumps". This early handling will save considerable stock.



MINIATURE FORMAL DECORATIVE DAHLIAS

BABY FONTENEAU (Holl 84), Bloom 4½ x 2½, Bush 3 ft. Soft rose pink with yellow showing at base of petals. Blooms are uniform and artistic with full center. A very pleasing worthwhile variety. Root, .75

BABY SAGAMORE (Bad 85), Bloom 3 x 2½, Bush 3½ ft. Amber yellow suffused peach red. Bush sturdy. Strong straight stems. Root, .50

BABY SEA FOAM (Dahl 85), Bloom 2½ x 2, Bush 2½ ft. A bluish pink with white center. Serrated petals and fern-like foliage. Plenty of dainty blooms on good stems. Root, .50

BO BO (Frank-Rock 85), 1948, Bloom 2 x 1½, Bush 4 ft. Bright primrose yellow suffused rose red. Long stems and good form. Excellent for arranging. On 3 Honor Rolls. A prize winner. Root, \$1.00

BONTON D'OR (Holl 84), Bloom 4 x 2½, Bush 3 ft. Lemon yellow with scarlet red suffusion, heavy on tips. A fine cut flower. Early and profuse. Root, .50

BUCKEYE BABY (Gold 85), Bloom 2½ x 2, Bush 2½ ft. Golden buff lightly shaded red on reverse. Blooms are early, uniform and plentiful. Fine for cutting. Sturdy bushes. Root, .50

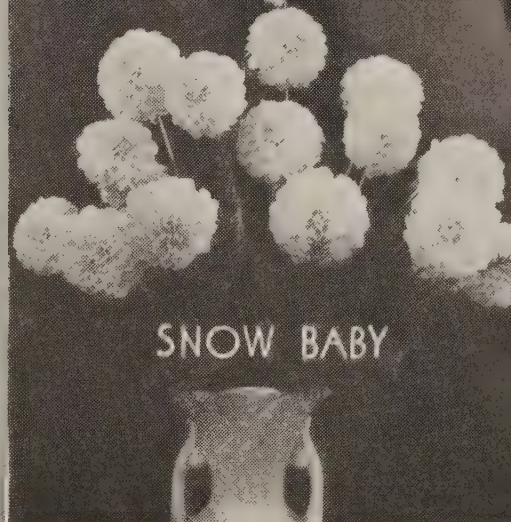
BUDDY (Lake 85), Bloom 2½ x 2, Bush 3½ ft. A rich bright carmine with oxblood red center. Fine for cutting. Profuse and early, with long stems. Certified at Storrs and E. Lansing. Root, .50

FAIRY (Dayton 84), Bloom 3½ x 2½, Bush 4 ft. A soft violet rose shading mauve at tips. Blooms early until late. Flowers uniform and keep well when cut. Good, strong, straight stems. Root, .50

FUNNY FACE (Wilson 85), Bloom 2½ x 2, Bush 4 ft. A clean cut bi-color, bright scarlet red with a distinct white tip on each petal. Uniform in size, form and color. Most attractive. Root, \$1.50; Plant, .75

FUZZY-WUZZY (Lake 85), 1947, Bloom 3 x 2, Bush 3 ft. Pretty apricot yellow suffused begonia rose with lacinated petals. Stems good. An excellent keeper. Certified at E. Lansing. Root, .75

IKE (Lake 85), Bloom 3½-4½ x 2, Bush 3 ft. Blood red blooms with many lacinated petals. Fine for cutting and exhibiting. Does well in the South. Root, .75



MINIATURE FORMAL DECORATIVE DAHLIAS—Cont'd

JENNIE A (Alex-Dahl 85), 1949, Bloom $2\frac{1}{2} \times 1\frac{1}{2}$, Bush 3 ft. Glowing turkey red, a gem in any garden. A wealth of blooms on open spreading bushes. Long slender stems. On Honor Roll. Certified at Rutgers. Root, \$1.50; Pot Root, \$1.00; Plant, .75

JOYCE ANN (San 85), Bloom $3\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. Pink with lighter shadings. Uniform, artistic and attractive. Very good. Root, .50 NET

LITTLE JIMMY (Lake 85), 1949, Bloom 3×2 , Bush 4 ft. A nearly round white with long strong stems. Certified at E. Lansing and will compete with Snow Baby and White Fawn. A wonderful keeper, our best white cut flower. Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00

LITTLE LEMON DROP (Lake 85), Bloom 3×2 , Bush 3 ft. Intense lemon yellow, fine for cutting or exhibiting. A prize winner. Certified at Storrs. Root, .75

LITTLE NEMO (Chase 85), Bloom 4×2 , Bush 4 ft. Crimson uniformly tipped white. Striking and attractive. Very popular. Root, .50

LITTLE SUSAN (Frey-Dahl 85), Bloom $2\frac{1}{2} \times 2$, Bush 3 ft. Soft Tyrian rose with lighter shadings. Blooms hold good form throughout season. Very profuse. Certified at Storrs. Root, .50

MICKEY (Robens 85), 1948, Bloom $2 \times 1\frac{1}{2}$, Bush 5 ft. Lovely nasturtium to scarlet red blooms with perfect centers. Fine rugged grower. Profuse early and a good keeper. Root, \$1.00; Pot Root, .75

MISS INNOCENCE (Sparks 85), Bloom $2\frac{1}{2} \times 2$, Bush 3 ft. Pure white of good substance. Early and profuse. Good bush growth. Long strong stems. Fine for cutting. Award of Honor, Georgia. Root, .50

MISS PLUMB (Beaver-Dahl 85), Bloom $2 \times 1\frac{1}{2}$, Bush 2 ft. Bright rhodamine purple shading lighting at center. Certified W. Va. On 3 Honor Rolls. Root, .75

NANCY (Albanese-Prem 85), Bloom 3×2 , Bush $3\frac{1}{2}$ ft. Bright scarlet on ideal stems. Centers always full. Glossy attractive foliage. Root, .75

NELLIE SHEE (Gold 85), Bloom $2\frac{1}{2} \times 2$, Bush 4 ft. A clear light lavender with long strong stems. Vigorous grower and very prolific. Fine for cutting. Root, .50

NIBS (Alleva-Dahl 85), 1950, Bloom $2\frac{1}{2}$ - $3\frac{1}{2} \times 2$, Bush 3-4 ft. Winner of Trial ground certificates at Georgia, Maryland and Rutgers, winning the Derrill W. Hart Memorial Award with an average score of 85.2. The color is light primrose yellow with Tyrian rose suffusion in the center. A gem for arrangements. Wonderful stems and spreading bush growth. Most pleasing. Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

OLD GOLD (Schutte-Jemars 85), Bloom $3\frac{1}{2} \times 2$, Bush 3 ft. Chrome yellow with jasper red suffusions and shadings. Very free blooming and fine for cutting.

Root, .75; Pot Root, .50

PEGGY LINDLEY (Wakeman 84), Bloom $2\frac{1}{4} \times 2$, Bush $2\frac{1}{2}$ ft. A clear golden orange on long graceful stems. Excellent keeper. Root, .50

PINK LADY (DeGroot 85), Bloom $2\frac{1}{2} \times 2$, Bush $2\frac{1}{2}$ ft. Deep rose pink with yellow shadings at base of petals. Free blooming. Attractive, uniform flowers that arrange easily. Root, .75; Pot Root, .50

PROMISING SURPRISE (Holl 85), Bloom 3×2 , Bush $4\frac{1}{2}$ ft. White with each petal edged bright Tyrian purple. Will not qualify as a ball for showing but has a general ball formation. Very early and profuse. Root, .75; Pot Root, .50

RED ROBIN (Dahl 85), Bloom $2\frac{1}{2} \times 2$, Bush 3 ft. Bright scarlet that does not fade. Perfect form and stems, sturdy bushes and very profuse. Excellent for cutting and exhibiting. Root, .75

RED SHADOW (Frank-Dahl 85), 1950, Bloom $2\frac{1}{2}$ - 3×2 , Bush 4 ft. Beautiful cherry red very heavily tipped with white. Won the A.D.S. Trophy and Silver Medal Certificate at the 1949 New York Show, 3 Firsts and Tri-Color at Long Island Show, and Best Miniature in the N. J. State Show, and Irvington Show, on 3 Honor Rolls. Fine grower. Profuse bloomer early as well as late. Excellent in arrangements, and very striking. Root, \$3.00; Pot Root, \$2.25; Plant, \$1.50

SNOW (Dahl 85), Bloom 3×2 , Bush $3\frac{1}{2}$ ft. This artistic white, lightly edged lavender early, produces quantities of pure white blooms from mid-season on. Root, .75

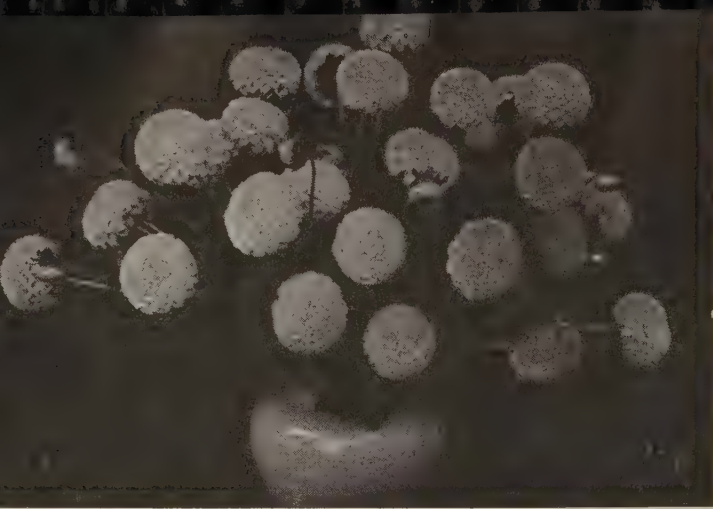
SNOW BABY (Dahl 85), Bloom 3×2 , Bush 4 ft. Pure white of perfect form, on long slender stems. Early and profuse. Fine for cutting and exhibiting. Root, .75; Pot Root, .50

SYLVIA (Lake 84), Bloom $2\frac{1}{2} \times 1\frac{3}{4}$, Bush 4 ft. Rich deep carmine. Grows well, blooms profusely and keeps good. Fine for cutting. Root, .50

WHITE FAWN (Dix 85), Bloom 3×2 , Bush 4 ft. Popular pure white. Rugged bush, heavy foliage, and prolific. Certified at Storrs and O.V.D.A. Root, .50

YELLOW KITTEN (Chautauqua 85), Bloom $2\frac{1}{2} \times 2$, Bush 4 ft. Yellow faintly tipped light pink. Early and profuse. Fine for cutting. Root, .50

ZEST (Goddard-Rock 85), Bloom 4×2 , Bush 4 ft. Currant red with white tips. A good grower and root maker producing plenty of well formed flowers. Root, \$3.00; Plant, \$1.50



Chita

POMPON DAHLIAS Cut Flower Varieties

BOB WHITE (Dahl 85), Bloom $1\frac{1}{2}$, Bush 2 ft. Milk white, with a cast of yellow when opening. Spreading bush and long stems, ideal for cutting, bedding and exhibiting. Root, .50 NET

BRONZE BEAUTY, Bloom 2, Bush 3 ft. An old variety. Color golden apricot. A good keeper for cutting. Root, .50

EDITH MUELLER (Mueller-Bad 85), Bloom $1\frac{3}{4}$, Bush 3 ft. A bright soft apricot suffused peach red. In demand as a cut flower. Root, .35

JOE FETTE (Boston 83), Bloom $1\frac{1}{2}$, Bush 3 ft. A good pure white with erect stems for cutting. Blooms early. In demand for florist use. Root, .35

LITTLE BUDDY (Lake 85), Bloom 2 x $1\frac{3}{4}$, Bush $3\frac{1}{2}$ ft. A soft lemon yellow that is a wonderful cut flower. Plenty of substance. Profuse and early. Certified at Storrs. Root, .50

LITTLE DAVID (Twichett 85), Bloom $1\frac{1}{2}$, Bush 3 ft. Russet orange of almost perfect form. Blooms freely and fine for cutting. Root, .35

LITTLE SNOW WHITE (84) Bloom $1\frac{3}{4}$, Bush 2 ft. A very fine pure white for cutting. Centers full, stems just right and a good grower. Root, .50

MARY MUNNS (Bolsa 85), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. One of the best in phlox or mallow purple. Good for exhibition or cutting. Root, .35

MIKE (Boston 84), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Bright burnt orange, shading lighter at the outer petals. Attractive and jutting with blooms. Root, .35

MORNING MIST (Bad 85), Bloom $1\frac{3}{4}$, Bush $3\frac{1}{2}$ ft. White tipped lavender and rosy lavender at center. Some flowers a little large, but very popular. A fine cut flower with long stems. Root, .35

SHERRY (85), Bloom 2, Bush $2\frac{1}{2}$ ft. A deep purple, nearly round and very attractive. Occasionally may come oversize. Bush sturdy, and a very popular variety. Root, .50

SNOWCLAD, Bloom $1\frac{1}{2}$, Bush 3 ft. One of the standard all-round pure whites. Free, early bloomer for cutting. Root, .50 NET

SUNNY DAYBREAK (Keynes 85), Bloom 2, Bush 3 ft. Lemon yellow, heavily tipped cardinal. Flowers of good form. Root, .35

YELLOW GEM (McWhirter 84), Bloom $1\frac{1}{2}$, Bush 3 ft. Clear canary yellow of fine form. Old, but still a good cut flower. Root, .35

POMPON DAHLIAS Exhibition Varieties

ALBINO (Holl 85), Bloom $1\frac{3}{4}$, Bush 2 ft. A very good pure white with full centers on strong stems. Healthy.

Pot Root, \$1.00; Plant, .75

BETTY ANNE (John 86), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. Soft rose pink inclined to violet rose. Small and uniform. Bush healthy and vigorous. Root, .50

BETTY MALONE (Malone-Dahl), Bloom $1\frac{3}{4}$, Bush 3 ft. White evenly tipped violet purple. Profuse. Ideal form and healthy bush. Certified at Storrs. Root, .50

Plant, .75

BRASS BUTTON (Linduff-Rus 85), Bloom $1\frac{3}{4}$, Bush 3 ft. Light yellow. Certified at Storrs and W. Va. Root, .75

CHITA (Dahlia del 85), Bloom $1\frac{3}{4}$, Bush 3 ft. Pure canary yellow. Profuse, and blooms keep well. A little beauty. Not temperamental. Root, .50 NET; Pot Root, .50 NET

EBONY (John 85), Bloom $1\frac{1}{2}$, Bush 3 ft. Black red, darkest of all dahlias. Long strong stems. Blooms form a complete ball. Pot Root, .50 NET; Plant, .50

EILEEN (Keynes 86), Bloom $1\frac{1}{2}$, Bush 2 ft. Cream tipped violet. Over 30 years old and still very popular. Beautiful and outstanding.

Pot Root, .75 NET; Plant, .50

FRAMBOOSJE (Holl 85), Bloom $1\frac{3}{4}$, Bush 2 ft. A lovely delft rose of fine form on good stems. Early and profuse. A welcome addition. Pot Root, .75; Plant, .50

HONEY (Farnum 86), Bloom $1\frac{1}{4}$, Bush 3 ft. Primrose yellow with petals edged red. Free flowering on long stems. Good for cutting. Root, .50

ILA (Aust 86), Bloom $1\frac{1}{2}$, Bush 2 ft. Deep oxblood. Bush growth fairly good, and almost all of the blooms are of perfect form. Long strong stems.

Root, .50 NET; Pot Root, .50 NET; Plant, .50

LITTLE EDITH (85), Bloom $1\frac{1}{4}$, Bush $3\frac{1}{2}$ ft. Primrose yellow tipped bright carmine. A standard variety and consistent winner. Good form. Very worthwhile. Good for cutting. Root, .35

MARGARET WILLIAMS (Aust 87), Bloom $1\frac{1}{2}$ x $1\frac{1}{4}$, Bush $2\frac{1}{2}$ ft. Soft mauve with Rhodamine pink suffusions and Rhodamine purple shadings on the edge. One of the finest for exhibition.

Pot Root, \$1.00; Plant, .75

MIMOSA (Holl 85A), Bloom $1\frac{1}{2}$ x $1\frac{1}{4}$, Bush 3 ft. A beautiful deep golden yellow for exhibition. Small flowering and perfect form. Good grower but only a fair root maker. Root, \$1.00; Pot Root, .75; Plant, .50

MRS. FRENCH (Holl 85), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. A very dainty and pretty soft amaranth rose. Blooms evenly quilled with full centers.

Pot Root, .75; Plant, .50

MRS. J. TELFER (Aust 86), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. White with a slight yellowish cast. Almost a perfect ball. Perfect centers. Has won many prizes.

Root, .75; Pot Root, .50

REGINALD (Aust 85), Bloom $1\frac{1}{2}$, Bush $2\frac{1}{2}$ ft. A fine Ruby red of ideal size and finest form. A leader in its class. Rugged bush. Root, .50 NET

SWEETIE (John 86), 1948, Bloom $1\frac{1}{2}$ x $1\frac{1}{4}$, Bush 2 ft. Bright spectrum red of fine form. Strong bush growth, perfect stems. A wonderful exhibition variety.

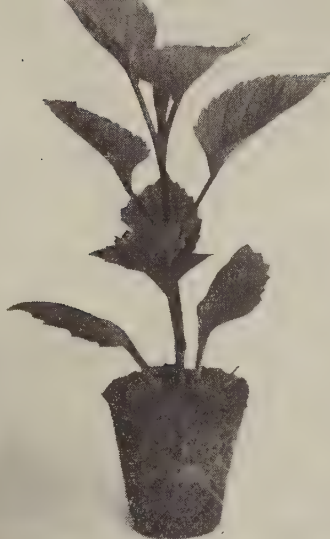
Root, \$2.00; Pot Root, \$1.50; Plant, \$1.00



Roots



Pot Roots



Plant



Rooted Cutting

FOUR WAYS TO BUY POTASH-FED DAHLIAS

ROOTS

Dahlia roots are divisions of field-grown clumps of dahlias. Each root must contain at least one "eye" from which the plant grows. Sturdy plants and fine exhibition flowers grow from roots, and strong clumps harvested for the following season. As the planted root acts as a food storehouse for the growing plant, the growth of the plant is thus stabilized under adverse growing conditions.

POT ROOTS

Pot roots, as shown above in relative size to the average root, should not be judged adversely because of their size. Many experienced growers prefer pot roots. Pot roots are small clumps produced by plants grown mostly in 3-inch pots in the open during the late summer, and transferred in the Fall to greenhouses where they are grown under controlled conditions, and allowed to ripen naturally by the end of December.

We have for years used very many of them in our own plantings, and find them in every way satisfactory. Our customers have written us as to their fine behavior. Pot roots will produce bushes and flowers equal to roots and in many varieties even better clumps on digging.

We can afford to offer them at a lower price than roots because of their economy of handling and distribution.

GREEN PLANTS

Green plants are sprouts or cuttings taken from clumps grown in especially built greenhouses; rooted in sand benches in propagating houses; potted and grown under greenhouse conditions until well established and then moved outside to cold frames for proper hardening off. When they reach you they are ready for planting.

We have established a reputation for quality of our green plants. Many hundreds of thousands have been grown and shipped by us, and our customers have found them highly satisfactory. They are, as you will notice in our lists, considerably cheaper than roots.

Their care after you receive them is fully described in our Cultural Instructions.

Green plants will produce flowers equal to roots or pot roots when well grown for exhibition, but will not produce as large clumps for the following season. When properly grown from healthy stock, however, many varieties will produce nice clumps.

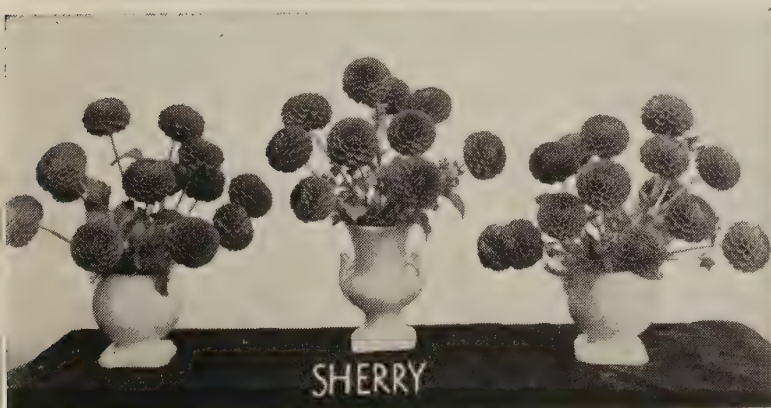
Dahliadel green plants are always properly grown, and, in our specially designed shipping box have been successfully sent all over the United States.

It is difficult to ship plants or rooted cuttings into the Deep South during a hot spell late in the season, so order early. State inspection slows up delivery on the West Coast but with proper timing, deliveries are not too bad.

ROOTED CUTTINGS

Rooted cuttings are sprouts or cuttings grown exactly as described under green plants (see above) up to the point where a good root system has developed. Rooted cuttings are wrapped singly or two together in live sphagnum moss on a special machine built for this work. In shipment the roots are fed moisture in live sphagnum. The leaves are in a ventilated air space. This insures the best and safest transportation. **Rooted Dahlia cuttings are 1/3 less in price than plants.** However, we do not recommend them unless you have had experience and are equipped to handle dahlia cuttings.

Further directions on handling rooted cuttings will be found in our Cultural Instructions.





INDEX AND PRICES FOR 1951

ABBREVIATIONS INDICATING CLASSIFICATION TYPE OF FLOWER

An—Anemone	M—Miniature
Ba—Ball	O—Orchid Flowering
Coll—Collarette	P—Peony
Dwf—Dwarf	Pom—Pompon
FD—Formal Decorative	S—Single
IC—Incurved Cactus	SC—Semi-Cactus
ID—Informal Decorative	StC—Straight Cactus

COLORS in this Index have been changed to the A.D.S. and C.S.D.S. official classification, which is based on the Dahlia Color Chart (see page 47).

Au—Autumn, Spanish orange, yellow ochre, burnt orange, buff, tan color, cinnamon, terra cotta, and suffusions and blends of such tones with pink and lavender.

Bi—Bi-Color, two or more distinct, clean and separate colors on the face of the floral rays.

Dk R—Dark Red, currant red, cardinal red, oxblood red, chrysanthemum crimson.

L—Lavender, phlox pink, rhodamine pink, amaranth rose, mallow purple, pastel mauve, mauve, pastel lilac, pastel lavender.

Lt Bl—Light Blend, includes blends of the lighter tints and tones of pink, yellow, lavender, purple, violet and other pastels. Also varieties in which the central rays are of a different color than the majority of the rays.

O Bl—Other Blend, includes blends of shades of red, or orange with yellow and other supplementary colors.

Blended, no clearly distinct color but instead two or more intermingled colors of different color classes which gradually merge but each of which can be distinguished at a distance of six feet. A single color shading lighter does not constitute a blend.

Or—Orange, cadmium orange, apricot, tangerine orange, nasturtium orange, orange chrome, orange.

Pk—Pink, salmon, peach, shell pink, azalea pink, carmine rose, coral pink, Tyrian rose, rose pink.

Pr—Purple, rosy magenta, magenta, Tyrian purple, rhodamine purple, dahlia purple, lilac purple, petunia purple, violet purple, violet.

R—Red, mandarin red, poppy red, brick red, vermilion, jasper red, scarlet, spectrum red, crimson, cherry.

Var—Variegated two or more distinct colors on the face of the floral rays, arranged in dots, flecks, splashes or narrow lines which contrast sharply with the basic color.

W—White, pure white, ivory, cream, faint blushes of other colors.

Y—Yellow, primrose, sulphur, canary, straw, lemon, amber, chrome, and buttercup yellow.

SIZE A—or large, over 8 inches. **B**—or medium, 4 to 8 inches. **M**—or miniature, under 4 inches.

Type Classification — See page 46.

NOTICE

NET—On varieties marked NET no quantity discount will be allowed on Roots or Pot Root, and only 3 to a customer. However, Plants and Rooted Cuttings are subject to our regular quantity discount, except where noted.

DECORATIVE and CACTUS DAHLIAS

Page		Root	Pot Root	Plant
6	Abbot—B StC Red.....	1.00	.75	---
11	Adolph Mayer—A SC Purple.....	1.00	.75	---
17	Aglow—A ID Autumn.....	1.00	.75	---
2	Agnes E. James—B StC Orange.....	NET	7.50	3.50
4	Alaska—BB StC White.....	---	---	.75
10	Alcazar—A SC Purple.....	1.00	.75	---
15	Alice May—A ID White.....	1.00	.75	---
13	Alice Stellick—B ID Bi R & W.....	---	1.00	.75
	Alicia Schrafft—A SC Pink.....	3.00	2.25	---
10	All American—A SC O Bl R w Au.....	1.00	---	---
6	Allegresse—A StC Yellow.....	---	1.00	.75
5	Ambassadeur Van Kleffens—BB ID Y.....	1.00	---	.50
	America's Sweetheart—A ID Y.....	1.00	---	---
	Amelia Earheart—A SC Autumn.....	---	---	1.00
10	Ami Louis Blin—B SC Dk R.....	---	---	1.00
4	Amoroso—BB StC Pink.....	1.00	.75	---
13	Anna Benedict—B ID Dark Red.....	NET	.75	.50
13	Annette—A ID Yellow.....	---	---	2.00
17	Ardella Lloyd—A ID Yellow.....	.50	---	---
4	Aristocrat—BB StC Red.....	---	1.50	1.00
1	Arthur Godfrey—A FD O Bl.....	NET	15.00	10.00
10	Atomic Yellow—A SC Yellow.....	---	---	1.50
6	Aumonier Chandelon—B StC Lt Bl.....	1.00	.75	---
13	Autumn Blaze—A ID O Bl R w Y.....	2.00	1.50	1.00
19	Avalanche—A FD White.....	1.50	1.00	---
	Avalon—B FD Yellow.....	.50	---	---
	B & B—A FD Lavender.....	---	---	2.50

DECORATIVE and CACTUS DAHLIAS

Page		Root	Pot Root	Plant
6	Ballerina—B StC Autumn.....	.75	---	---
17	Bandoeng—A ID Autumn.....	.50	---	---
	Barbara Brown—B IC Lt Bl Pk w Y.....	1.00	.75	---
19	Barbarosa—B FD Red.....	NET	1.00	.75
9	Bataan—B SC O Bl R w Y.....	1.00	.75	---
4	Bedford Beauty—BB IC Lavender.....	.75	.50	---
16	Bess Smith—A ID White.....	.75	---	---
17	Betty Broster—A ID Autumn.....	---	---	1.25
18	Betty Prior—A FD Autumn.....	---	---	1.50
8	Beverly Robinson—B IC Lavender.....	---	---	2.00
10	Bill Jack—B SC White.....	---	1.00	.75
9	Black Magic—B SC Dk R.....	---	---	1.00
	Black Monarch—A SC Dk R.....	1.50	---	---
20	Blue Jersey—B FD Lavender.....	.50	---	---
19	Blue River—A FD Lavender.....	.75	.50	---
20	Bride's Bouquet—A FD White.....	2.50	2.00	1.25
11	Brother Justinus—B SC Lt Bl.....	1.00	.75	---
	Burma—A ID Red.....	---	---	2.25
15	California Idol—A ID Yellow.....	NET	.75	---
17	California Pageant—A ID Au.....	2.00	1.50	1.00
4	Captain Cedarquist—BB StC Or.....	.75	---	---
	Carl G. Dahl—A ID Autumn.....	NET	1.00	.75
6	Carol Francis—A StC Lavender.....	1.50	1.00	.75
5	Caroline Kernochan—B ID O Bl.....	1.50	1.00	.75
13	Charles K. Shaw—A ID Yellow.....	5.00	3.50	2.50
4	Charmant—BB SC Lavender.....	1.50	1.00	.75
17	Charmer—A ID Autumn.....	.50	---	---
11	Cheddar Park—A SC Purple.....	1.00	.75	---
4	Cheerio—BB SC Purple.....	1.50	---	.75
12	Cherokee Brave—A ID Dk R.....	1.00	.75	.50
	Cherokee Rose—A ID Lavender.....	NET	.75	.50
8	Chime—A IC O Bl Or w R.....	---	1.50	1.00
2	Clara Dell—B SC Yellow.....	---	---	5.00
6	Clara Hook—A StC Lt Bl Y w Or.....	1.50	---	.75
10	Clariam Fancy—B SC Lt Bl Pk w L.....	2.00	1.50	1.00
2	Clariam Royalty—A SC Purple.....	---	---	N5.00
8	Clariam Splendor—A IC Bl Y w L.....	---	---	2.25
14	Col. Little—A ID O Bl R w Y.....	1.50	1.00	.75
	Columbia—A SC Autumn.....	.75	---	---
19	Commando—A FD Dk Rd.....	---	---	1.00
11	Confucius—A SC Red.....	.75	---	---
3	Cosmopolitan—B ID O Bl.....	---	---	N3.50
	Croydon Radiance—A ID Purple.....	2.50	---	1.25
14	Crystal's Surprise—B ID Var Or & R.....	1.00	.75	---
	Cynthia—A FD Red.....	2.50	---	1.25
12	Dahliaum—A ID Autumn.....	.75	---	---
6	Dandy Snow—A StC White.....	2.00	---	1.00
18	Darcy Sainsbury—A FD White.....	1.00	.75	---
5	Dave Platt—BB FD White.....	1.00	---	---
19	D-Day—B FD Pink.....	.75	---	---
19	Deep Velvet—B FD Purple.....	2.00	1.50	1.00
14	Delmarva—A ID O Bl R w Y.....	.75	.50	---
5	Deuil du Roi Albert—BB FD Bi Pr & W.....	.75	.50	---
15	Dixie's Wine Dot—A ID Var W & Pr.....	1.50	1.00	.75
	Dominant—B IC Lt Bl Y w L.....	NET	1.00	---
18	Don Jose—A FD Autumn.....	---	---	1.50
9	Don's Sunrise—B IC O Bl Y w R.....	1.00	.75	---
6	Doreen E.—B StC Purple.....	---	---	2.50
18	Dorset Autumn—A FD Autumn.....	.75	---	---
13	Dr. John F. Morse—A ID Dk R.....	5.00	3.50	2.50
3	Dr. Paul Morgan—A SC Lavender.....	---	---	5.00
17	Drum Major—A ID Red.....	---	---	3.50
6	Edna D.—A StC Red.....	---	---	1.50
	Ella May—B StC Purple.....	1.50	1.00	.75
	Elodie K.—B SC Lt Bl Pk w Y.....	1.00	---	---
13	Emma Caroline—A ID White.....	4.00	3.00	2.00
3	Esquire—A FD Purple.....	---	---	N5.00
	Essie Smith—A SC Lavender.....	1.50	---	---
8	Euphrosyne—A IC Lavender.....	---	---	1.25
10	Evelyn Chandler—A SC Autumn.....	.75	---	---
6	Fair Maid—B StC Pink.....	---	1.50	1.00
11	Faithful—A SC White.....	1.50	1.00	.75
4	Fantastic—BB IC Red.....	---	1.50	1.00
	Favorita—B StC Yellow.....	1.50	1.00	---
11	Fernie Triumph—A SC Red.....	---	---	1.00
3	Firegleam—B SC Orange.....	---	---	N5.00
18	Five Star General—A FD Pk w Y.....	1.50	1.00	.75
8	Flash—B IC Bi R & W.....	NET	1.50	1.00
12	Flying Fortress—A ID Red.....	.75	---	---
14	Forest Fire—A ID O Bl Y w R.....	.75	---	---
19	Francis Hanna—B FD Bi R & W.....	NET	2.50	1.75
5	Francis Larocca—BB FD Yellow.....	.50	---	---
17	Freckles—A ID Var Y & R.....	1.00	.75	.50
	Freda George—A ID Lt Bl Y w L.....	---	---	1.00
	Gail Keppel—B IC Lt Bl Pk w Y.....	.75	---	---
5	Gay—BB FD Yellow.....	1.50	1.00	.75
8	Gen. Eisenhower—A IC Red.....	1.50	1.00	.75
11	Gen. John J. Pershing—A SC Au.....	1.50	1.00	.75



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Page		Root	Pot Root	Plant
5	Gerrie Hoek-BB FD Pink	1.00	.75	.50
4	Gilderoy-BB StC Yellow	.75	---	---
13	Glamour-A ID Purple	1.00	---	---
8	Golden Jupiter-A IC Lt Bl Y w R	2.00	1.50	1.00
5	Golden Leader-B FD Yellow	.75	.50	---
15	Golden Prince-A ID Orange	.75	---	---
7	Golden Rectitude-B StC Au	---	---	1.25
8	Golden Standard-A IC Autumn	.75	---	---
	Goulburn-A IC Autumn	NET 1.50	---	.75
	Graf Zeppelin-B FD White	.50	---	---
9	Greater Glory-A SC Lt Bl Pk w W	1.50	1.00	.75
16	Great Lakes-A ID White	2.00	1.50	1.00
4	Gretel-BB SC Red	.50	---	---
5	Gypsy Girl-BB FD Var L & Pr	1.50	1.00	.75
20	Haslerova-B FD Var W & Pr	NET .75	---	---
3	Headlight-A ID Lt Bl Y w R	NET	---	N3.00
10	Hilda Fioretti-A ID Pink	1.00	---	---
7	Hillside Gold-B StC Autumn	.50	---	---
10	H. L. C. Jackson-A SC White	3.00	---	1.50
7	Hoek's Glorie-B StC Lavender	1.50	---	.75
9	Honor Guest-B SC Lt Bl Y w Pk	.75	---	---
13	Hunt's Velvet Wonder-A ID Purple	1.00	---	---
14	Indian Giant-A ID Autumn	1.00	---	---
13	Ingomar-A ID Red	---	---	2.00
	Irene Dunne-A StC Lavender	1.00	---	---
	Irene Rich-A SC Lt Bl Pk w Y	---	---	3.00
17	Jane Cowl-A ID Autumn	.50	---	---
11	Jane Lausche-A SC Bl L & W	1.50	1.00	.75
	Janine-A FD Lavender	.75	---	---
18	Jeanette-A FD Bi Pr & W	1.00	.75	---
11	Jean Trimbee-A SC Purple	NET 1.00	.75	.50
20	Jersey Beauty-B FD Pk	.50	---	---
7	Jersey Dainty-B StC White	.50	---	---
	Jessica Dragonette-A SC Autumn	.75	---	---
	Jimmie Foxx-A ID Autumn	.75	---	---
12	Joan Ferenz-A ID Yellow	1.50	1.00	.75
	Joan Phillips, Jr.-B ID Bl L & W	1.00	---	---
	John Adam Kernochan-B FD Bi R & W	.75	---	---
16	John W. Sherwood-A ID L	NET 1.50	1.00	.75
	Josephine G.-B SC Pink	.50	---	---
17	Joyce Enright-A ID Lavender	---	---	1.50
4	Judy K.-BB SC Lt Bl Pk w Y	1.00	---	---
16	Katie K.-A ID Lavender	1.00	.75	---
17	Kelvin-A ID Pink	1.50	1.00	.75
10	Kelvin Sunrise-B SC O Bl R w Y	---	.75	---
13	Kemp's Purple Triumph-A ID Pr	1.50	1.00	.75
17	Kemp's Radiant Beauty-A ID Var	1.00	---	---
20	Kentucky-B FD Pink	.50	---	---
14	Kentucky Sportsman-A ID Bi Y & Or	1.00	---	---
18	Kentucky Sun-B FD Yellow	.50	---	---
18	King David-A FD Purple	1.00	.75	---
6	King Peter II-BB FD Lt Bl W w L	.75	---	---
7	King Size-A StC Red	3.00	2.25	1.50
13	Kirsten Flagstad-A ID Autumn	1.00	.75	---
	Lady in Red-B SC Red	.75	---	---
9	Lakeside Ann-B SC Lt Bl Y w Pk	1.00	---	---
6	Lakeside Beauty-BB FD Lt Bl Y w Pk	NET 1.00	.75	---
19	Lavender Perfection-A FD L	3.00	---	1.50
2	Lavender Prince-B FD Lavender	10.00	7.50	5.00
14	L. C. K.-BB StC Lt Bl Y w Pk	.75	---	---
19	Lena-A FD Lt Bl Y w Pk	1.00	.75	---
9	Limelight-A SC Yellow	.75	---	---
3	Linda Lou-B IC Lavender	---	---	5.00
20	Link's Blue Triumph-A FD L	.75	---	---
6	Little Eddie-BB ID Lavender	3.00	2.25	1.50
20	Lois Walcher-B FD Bi Pr & W	NET 1.00	.75	.50
	Lord of Autumn-A ID Yellow	---	---	.75
	Lucky-B StC Red	1.00	---	---
12	Madonna-A ID White	5.00	3.50	2.50
11	Maffie-A SC Red	1.50	1.00	.75
7	Magnetic-B StC Yellow	2.00	1.50	1.00
11	Magnificent-A SC Autumn	2.00	1.50	1.00
20	Major Viers-A FD Autumn	1.50	1.00	.75
4	Margaret Rose-BB StC Lt Bl Pk w Y	---	---	1.00
15	Margaret W. Wilson-A ID Lt Bl W w L	.50	---	---
6	Maria Orbaan-BB ID Red	---	2.25	1.50
7	Marietta E.-B StC Yellow	.75	---	---
9	Marilyn Dale-A SC Lavender	3.00	2.25	1.50
19	Marjory Nolan-A FD Pink	---	---	2.50
20	Mary Ellen-A FD Lavender	1.00	.75	---
18	Mary Noble-A FD Lavender	1.50	1.00	.75
7	Mary Taylor-B SC Lt Bl Y w Pk	1.00	.75	---
10	Mentone-B SC Lt Bl Y w Pk	---	---	1.50
12	Michael Black-A ID Purple	1.50	1.00	.75
4	Michigan O. (Collins)-BB SC L	1.00	.75	---
18	Michigan O. (Keiser)-A FD L	1.00	.75	---
11	Michigan White-B SC White	1.00	.75	---
16	Milton J. Cross-A ID Yellow	.50	---	---

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Page		Root	Pot Root	Plant
16	Minnora-A ID Autumn	.50	---	---
4	Miss Elsie Jane-BB SC Lt Bl Pk w Y	.50	---	---
18	Miss Liberty-A FD Bi R & W	---	---	1.00
7	Miss San Diego-B StC Lt Bl L w Y	1.50	1.00	.75
20	Miss Wilga-A FD Lavender	---	---	1.50
14	Mme. Chiang Kai Shek-A ID Au	1.00	---	---
8	Mme. C. Jussiant-B IC Lavender	.75	---	---
7	Mme. Elizabeth Sawyer-B StC L	1.00	.75	---
	Model 999-A SC Red	.75	---	---
10	Moyua-A SC Lt Bl Y w Pk	1.00	---	---
19	Mrs. Bradley Geist-B FD White	.75	---	---
10	Mrs. Dean Acheson-B SC Pink	---	---	3.50
4	Mrs. Edward Diehl-BB StC Pink	1.00	---	---
4	Mrs. E. J.-B StC Lt Bl Pk w W	1.00	.75	---
12	Mrs. F. H. Strickland-A ID L	1.00	---	---
17	Mrs. Geo. LeBoutillier-A ID Red	.50	---	---
9	Mrs. Hammerton-A SC Lt Bl Y w L	1.50	---	.75
7	Mrs. Herbert O'Connor-B StC Pk	.75	---	---
15	Mrs. Hester A. Pape-A ID Dk R	1.50	1.00	.75
20	Mrs. I. de Ver Warner-A FD L	.50	---	---
6	Mrs. James Albin-BB FD Yellow	.50	---	---
10	Mrs. T. Newall-B SC Autumn	4.00	---	2.00
14	Mrs. Wm. S. Knudsen-A ID White	.75	---	---
14	Murphy's Masterpiece-A ID Red	NET	1.00	.75
8	Nancy Ann Mitchell-B IC Red	1.00	.75	.50
15	Nancy Catherine Scharhag-A ID Var	1.00	.75	---
	Nancy Hobbs-A ID Purple	---	---	2.00
18	Nancy Roberts-A FD Red	2.50	---	1.25
19	Nanook-B FD White	---	1.00	.75
3	Nay Aug-B SC Pink	NET	---	N3.50
11	Nicky K.-B SC Red	2.50	2.00	1.25
	Nirwana-A IC Lt Bl Buff w Pk	1.00	.75	---
15	Nobby's Light-A ID Yellow	1.50	1.00	.75
9	Noble Glory-A SC Lt Bl Or w L	1.50	1.00	.75
5	Noviet-BB SC Lt Bl Y w Or	1.00	---	---
8	Oakleigh Champion-A IC Autumn	1.50	1.00	.75
17	Ogden Reid-A ID Pink	1.00	.75	.50
6	Orange Flame-BB ID Orange	1.00	---	---
7	Orange Imperator-B StC Orange	1.00	---	.50
	Orange Nassau-B IC Orange	1.00	.75	---
7	Orange Princess-B StC Orange	1.00	.75	---
9	Orfeo-B SC Purple	---	2.25	1.50
10	Paoli Local-A SC Lt Bl Y w Pk	5.00	3.50	2.50
8	Pastel-B IC Pink	---	---	.75
7	Pavane-B StC Lavender	1.00	.75	.50
	Pawtucket-A IC Lt Bl Pk w Y	---	3.00	2.00
10	Peach Dawn-B SC Pink	1.00	.75	---
13	Pearl Harbor-A ID Var L & Pr	1.00	.75	---
19	Peggy Ray-A FD Orange	---	---	2.00
3	Permanent Wave-A ID Purple	---	---	5.00
	Phantom-A FD Bi Pr & W	.75	---	.50
14	Pink Elephant-A ID Pink	2.00	---	1.00
12	Pink Giant-A ID Pink	.75	.50	---
	Pink Josephine-A ID Lavender	.75	---	---
8	Pink Mum-B IC Pink	1.00	.75	---
17	Powder Puff-A ID Lavender	---	---	2.50
20	Prairie Sun-A FD Yellow	3.00	2.25	1.50
15	Premier's Winsome-A ID Lavender	1.00	.75	---
	Prince Beautiful-B ID Lt Bl Pk w Y	---	---	---
	Sold in lots of 3 only	3 for 2.00	---	---
	Producer-B ID Orange	.75	---	---
5	Punctuality-B IC O Bl R w Y	---	---	1.00
18	Purple Mist-A FD Purple	1.00	.75	---
	Queen Elizabeth-A ID Yellow	2.00	1.50	---
9	Ray Smith-A SC Lavender	1.00	.75	---
8	Red Spider-A IC Red	.75	---	---
	Red Tornado-B IC Purple	1.00	.75	---
9	Red Velvet-A SC Dark Red	3.00	2.25	1.50
8	Regalia-A IC Purple	1.00	---	---
5	Reverie-BB IC Lt Bl Y w Pk	1.00	.75	---
8	Rhythm-A IC Lt Bl L w Y	1.50	1.00	.75
5	Rita Armstrong-BB SC Yellow	2.00	---	1.00
14	Rita Wells-A ID Autumn	1.00	---	---
16	Robert L. Ripley-A ID Lavender	NET 2.00	1.50	1.00
9	Rockley Orange-B SC Orange	1.00	---	---
11	Ronnie Lee-A SC Autumn	1.50	1.00	.75
17	Rosalie Gordon-A ID Red	3.00	---	1.50
9	Rosa van Lima-B SC Pink	1.50	1.00	.75
10	Roselyn Straight-A SC O Bl Or w R	1.00	---	---
9	Royal Sight-A SC Lt Bl L w W	---	---	2.50
16	Rudolph Motznik-A ID Lavender	2.00	---	1.00
17	Ruffles-A ID Pink	1.00	.75	---
7	Saarland's Heimkehr-B StC Lt Bl	.75	---	---
5	Sabine-BB SC Pink	.75	---	---
5	Sainte Therese-BB StC Lt Bl Pk w W	1.00	.75	.50
12	Salem Sunshine-A ID Yellow	1.00	.75	---
	San Francisco-A ID Pink	.75	---	---
8	Sarett's Pink Flamingo-A IC Pk	2.00	1.50	1.00



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Page		Root	Pot Root	Plant
16	Satan's Disciple—A ID Red	1.50	1.00	.75
10	Scarsdale Sun—B SC Yellow	3.00	2.25	1.50
7	Searchlight—A StC Yellow	1.50	1.00	.75
19	Sellwood Glory—B FD O BI Pr w W	—	—	1.50
13	September—A ID O BI Y w R	1.50	1.00	.75
	Sheik—B IC Lt BI L w W	.75	.50	—
17	Sherwood's Peach—A ID Autumn	.75	—	—
6	Shirley Westwell—BB ID Red	1.00	.75	.50
15	Shirley Wright—A ID Purple	4.00	—	2.00
13	Silver Glamour—A ID Pr BI	2.00	1.50	1.00
15	Silver Lady—A ID Lt BI W w L	1.00	.75	—
19	Silver Meteor—A FD Lavender	1.50	1.00	—
11	Silver Tips—A SC Red	2.00	1.50	1.00
11	Sir Galahad—A SC O BI R w Or	1.50	1.00	—
7	Skyrocket—A StC Red	2.00	1.50	1.00
8	Smockey—B IC Dark Red	2.00	—	1.00
7	Snowball—B StC White	1.00	.75	.50
8	Snowcrest—B IC White	1.50	—	.75
3	So Big—A ID Lavender	—	—	7.50
8	Son of Satan—A IC Red	1.00	—	—
3	Southern Belle—B ID Lt BI W w Pr	NET	—	N2.00
20	Sparkler—B FD Yellow	1.50	—	.75
3	Special Award—A SC O BI Or w Y	—	—	7.50
	Stellaette—A FD Dark Red	1.50	1.00	—
8	Stephen Foster—A IC Autumn	.75	—	—
16	Sunburst—A ID Yellow	1.50	—	.75
13	Sunrays—A ID Autumn	.75	—	—
20	Supreme Command—A FD Red	2.00	—	1.00
2	Sylvia Ann—B IC Yellow	NET 10.00	—	5.00
9	Terry—A SC Lavender	1.50	1.00	.75
10	The Aristocrat—A SC Lt BI Y w L	3.00	2.25	1.50
10	The Cardinal—A SC Red	3.00	2.25	1.50
14	The Dragon—A ID Autumn	1.00	.75	—
19	The Governor—A FD Yellow	1.00	.75	—
18	The Real Glory—A FD White	NET	1.50	1.00 .75
13	The Universe—A ID Dark Red	.50	—	—
3	The Volunteer—A ID Purple	—	—	7.50
18	Thomas A. Edison—B FD Purple	1.50	1.00	.75
11	Top-Flight—A SC Red	1.50	1.00	.75
7	Torero—B StC O BI R w Y	1.50	1.00	.75
17	Tower's Empire—A ID Autumn	.75	—	—
	Trader Horn—B StC Lt BI	—	—	1.00
5	Trajectory—BB StC Lavender	1.50	1.00	.75
6	Trionfo di Milano—BB ID Bi R & W	1.00	.75	.50
13	Twilight—A ID Purple	1.50	—	.75
	Two in One—B SC Dark Red	1.00	—	—
	Valley Queen—A IC O BI R w Y	1.00	—	—
12	Valley Snow—A ID White	3.00	2.25	1.50
8	Velvet Marvel—IC Red	—	—	1.00
18	Verna Martin—A FD Lavender	—	—	2.25
19	Victory—A FD Pink	.75	—	—
7	Victory Day—B StC Red	1.00	.75	.50
15	Victory Eclipse—B ID Pink	2.00	1.50	1.00
11	Virginia Rute—A SC Dark Red	1.00	.75	—
14	Virginia Shipley—A ID Yellow	.75	—	—
7	Vivianne Coppens—B StC Lavender	1.00	.75	—
18	Volcano—A FD Orange	1.00	—	—
20	W A A C—A FD Lt BI Pk w Y	1.00	.75	—
16	Wanda Meade—B ID Bi R & W	1.00	.75	—
3	War Paint—A SC O BI R w Y	NET	—	N3.00
17	Warrior—A ID Dark Red	—	—	1.50
17	Watchung Giant—A ID Autumn	.50	—	—
	Whirlaway—A ID Yellow	.75	—	—
18	White Beauty—A FD White	2.00	1.50	1.00
20	White J. B.—B FD White	1.00	.75	—
15	White Winner—B ID White	.75	—	—
	White Wonder—A ID White	.75	—	—
1	Whiz Kid—A ID Pink	NET 15.00	—	7.50
20	Wiley Post—B FD Yellow	1.00	.75	—
16	Windlassie—B ID White	2.00	1.50	1.00
20	Winged Victory—B FD White	1.00	.75	—
11	Wings—A SC Dark Red	1.00	.75	—
11	Winter Carnival—B SC White	1.00	—	—
7	Winter Morn—B StC White	1.50	—	.75
16	World Event—A ID Pink	1.00	—	—
15	Wosal—A ID Pink	.75	.50	—
5	Yellow Special—BB StC Yellow	1.00	.75	—
5	Zuiwn—BB StC Red	.50	—	—

BALL DAHLIAS

30	Charlotte Caldwell—Ba Autumn	.50	—	—
30	Clara Clemens—Ba Bi R & W	.75	—	—
30	Dusky—M Ba Dark Red	NET	.75	—
30	Jean Kerr—Ba White	.50	—	—
30	Jeep—M Ba Lt BI W w Y	.75	—	—
30	Kentucky Snowball—Ba White	NET	.50	.50

BALL DAHLIAS

Page		Root	Pot Root	Plant
30	Mary Helen—Ba Yellow	NET	—	.75 .50
30	Maude Adams—Ba Lt BI W w L	.75	—	—
30	Mozart—Ba White	NET	1.00	.75 .50
30	Rondkop—M Ba O BI Y w R	.75	—	.50
30	Rosy Dawn—Ba O BI Y w R	.75	—	—
30	Supt. Amrhyn—Ba Lavender	.50	—	—

DWARF DAHLIAS

30	Easter Greeting—Dwf SC White	—	—	.50
30	Elsie—Dwf SC O BI R w Y	—	—	.50
30	Fred Springer—Dwf FD Red	NET	.75	.50
30	Gerda—Dwf ID Lavender	.50	—	—
30	Kate—Dwf FD Dark Red	.75	—	.50
30	Nickie—Dwf StC Yellow	—	1.00	.75
30	Roquencourt—Dwf FD Orange	1.00	—	.75
30	Ruby Mae—Dwf SC Red	.75	.50	.50

ANEMONE DAHLIAS

31	Vera Higgins—An Lt BI Or w Pk	1.00	—	—
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ORCHID DAHLIAS

31	Collegiate—O O BI Tan w R	NET	.75	—
31	Dahlia del Twinkle—O W & L	.50	—	—
31	Dahlia del Whisper—O Y & R	.75	.50	—
31	Everest—O White	NET	.50	—
31	Imp—O Yellow	NET	.50	—
31	Lone Star—O Y & Pr	.75	.50	—
31	My Lassie—O Pink	1.00	—	—

COLLARETTE DAHLIAS

32	Coincident—Coll Bi R & Y	1.50	1.00	.75
32	Erica—Coll R w Red & W	NET	1.00	.75 .50
32	Fandango—Coll R w R & Y	NET	1.00	.75 .50
32	La Cierva—Coll	—	—	.75
32	Mitzi—Coll R w Y & W	.75	—	.50
32	Orangeade—Coll Or w Or	NET	1.00	— .50
32	Saturn—Coll Y w Y	1.00	—	.50
32	Sparkle—Coll W w W	NET	1.00	.75 .50
32	Tribune—Coll Pr w R & W	—	—	.50

SINGLE DAHLIAS

32	Bachelor Girl—S Orange	.75	—	—
32	Bonne Esperance—M S Pink	1.00	—	.50
32	Candle Light—S Yellow	—	—	.75
32	Dahlia del Snow White—S White	—	—	.50
32	Garnet Poinsettia—S Dark Red	.50	—	—
32	James Weller—S O BI Y w R	.50	—	—
32	Jersey Maid—M S Bi Y & W	—	—	.75
32	Little America—S White	.75	.50	.50
32	Marshall's Gloria—S Bi W & R	.75	.50	—
32	Scarlet Century—S Red	.50	—	—
32	Schneeprinzessin—S White	1.00	—	.75
32	Tango—S Autumn	.50	—	—
32	Temptation—S Red	.75	—	.50
32	Top Mix—M S Mixed	.75	.50	—

MINIATURE DAHLIAS

33	Andries Orange—M SC Or	NET	.50	.50
33	Arabesque—M SC Yellow	.75	.50	—
33	Atomic Ray—M SC Red	1.50	1.00	—
34	Baby Fonteneau—M FD Pink	.75	—	—
34	Baby Sagamore—M FD Autumn	.50	—	—
34	Baby Sea Foam—M FD White	.50	—	—
33	Betsy T.—M StC Lavender	NET	.50	—
31	Bishop of Llandaff—M P Red	NET	.50	—
34	Bo Bo—M FD Lt BI Y w R	1.00	—	—
34	Bonton d'Or—M FD O BI Y w Or	.50	—	—
34	Buckeye Baby—M FD Autumn	.50	—	—
34	Buddy—M FD Dark Red	.50	—	—
33	Cameo Star—M SC Lt BI W w L	1.00	—	—
3	Cheryl Anne—M FD Yellow	NET	5.00	2.50
34	Chico—M ID Red	.75	—	—
33	Chips—M SC Yellow	1.50	1.00	.75
33	Coral Blend—M FD Lt BI Y w Pk	1.00	—	—
33	Daisy Mae—M SC Yellow	.75	—	—
5	Dearie—BB FD Pink	.75	.50	—
5	Donnie—BB FD Purple	3.00	2.25	1.50
33	Double Victory—M SC Red	.75	—	—
4	Dubonnet—BB SC Dark Red	NET	.75	.50



INDEX AND PRICES FOR 1951

MINIATURE DAHLIAS

Page		Root	Pot Root	Plant
33	Estelle—M SC Lavender	1.50	1.00	.75
34	Fairy—M FD Lt Bl Y w L	.50	—	—
	Favorita (Holl)—M SC Or	.50	—	—
33	Fuchsia Gem—M SC Purple	1.00	.75	—
34	Funny Face—M FD Bi R & W	1.50	—	.75
34	Fuzzy-Wuzzy—M FD Autumn	.75	—	—
3	Hazel Harper—M StC Lt Bl Pk w W	NET	—	N2.00
34	Ike—M FD Dark Red	.75	—	—
34	Jeanie—M ID Lt Bl Y w Pk	.50	—	—
35	Jennie A.—M FD Red	1.50	1.00	.75
35	Joyce Ann—M FD Lt Bl Pk w W	NET	.50	—
34	Jubilant (Dahl)—M ID O Bl R w Or	1.00	.75	—
33	Jubilant (Holl)—M SC Lavender	1.00	.75	—
	Julia S.—M IC Pink	NET	.50	—
6	Kathie M.—BB FD Lt Bl Y w Pk	1.50	1.00	.75
	Kay—M StC Lt Bl Y w Pk	.50	—	—
35	Little Jimmy—M FD White	2.00	1.50	1.00
34	Little Joanne—M ID Lavender	3.00	—	1.50
6	Little Katy—BB FD Yellow	.75	—	—
35	Little Lemon Drop—M FD Yellow	.75	—	—
33	Little Miss Prim—M StC Pink	NET	1.00	.75 .50
35	Little Nemo—M FD Bi R & W	.50	—	—
33	Little Peaches—M StC Pink	—	—	.50
35	Little Susan—M FD Lavender	.50	—	—
33	Lombaert's Violet—M SC Purple	1.50	1.00	.75
35	Mickey—M FD Red	1.00	.75	—
35	Miss Innocence—M FD White	.50	—	—
35	Miss Plumb—M FD Purple	.75	—	—
33	Myall Sonne—M StC Yellow	.75	—	—
35	Nancy—M FD Red	.75	—	—
35	Nellie Shee—M FD Lavender	.50	—	—
35	Nibs—M FD Lt Bl Y w Pk	3.00	2.25	1.50
5	Norma Jean—BB StC Lt Bl Y w Pk	1.00	.75	—
35	Old Gold—M FD O Bl R w Y	.75	.50	—
34	Passepartout—M ID Red	.75	.50	—
	Peach Glow—M SC Or	.50	.50	—
35	Peggy Lindley—M FD Or	.50	—	—
33	Petit Sonne—M SC Lt Bl Y w Or	.50	—	—
35	Pink Lady—M FD Pink	.75	.50	—
31	Pink Lassie—M P Pink	—	—	.75
35	Promising Surprise—M FD Bi Pr & W	.75	.50	—
34	Raleigh—M ID Pink	.50	—	—
34	Rapture—M ID Lt Bl Y w Pk	.75	—	—
35	Red Robin—M FD Red	.75	—	—
35	Red Shadow—M FD Bi R & W	3.00	2.25	1.50
34	Rickey—M ID Bi R & W	.50	—	—
35	Snow—M FD White	.75	—	—
35	Snow Baby—M FD White	.75	.50	—
33	Snowsprite—M SC White	.50	—	—
35	Sylvia—M FD Dark Red	.50	—	—
35	White Fawn—M FD White	.50	—	—
35	Yellow Kitten—M FD Yellow	.50	—	—
35	Zest—M FD Bi R & W	3.00	—	1.50

POMPON DAHLIAS

36	Albino—Pom White	—	1.00	.75
36	Betty Anne—Pom Lavender	.50	—	—
36	Betty Malone—Pom Lt Bl W w Pr	—	—	.75
36	Bob White—Pom White	NET	.50	—
36	Brass Button—Pom Yellow	.75	—	—
36	Bronze Beauty—Pom Autumn	.50	—	—
36	Chita—Pom Yellow	NET	.50	.50
36	Ebony—Pom Dark Red	NET	—	.50 .50
36	Edith Mueller—Pom O Bl Or w R	.35	—	—
36	Eileen—Pom Bi W & R	NET	—	.75 .50
36	Framboosje—Pom Red	—	.75	.50
36	Honey—Pom Autumn	.50	—	—
36	Ila—Pom Dark Red	NET	.50	.50 .50
36	Joe Fette—Pom White	.35	—	—
36	Little Buddy—Pom Yellow	.50	—	—
36	Little David—Pom Orange	.35	—	—
36	Little Edith—Pom Autumn	.35	—	—
36	Little Snow White—Pom White	.50	—	—
36	Margaret Williams—Pom L	—	1.00	.75
36	Mary Munns—Pom Lavender	.35	—	—
36	Mike—Pom Orange	.35	—	—
36	Mimosa—Pom Yellow	1.00	.75	.50
36	Morning Mist—Pom Lt Bl W w L	.35	—	—
36	Mrs. French—Pom Pink	—	.75	.50
36	Mrs. J. Telfer—Pom White	.75	.50	—
36	Reginald—Pom Purple	NET	.50	—
36	Sherry—Pom Purple	.50	—	—
36	Snowclad—Pom White	NET	.50	—
36	Sunny Daybreak—Pom Bi Y & R	.35	—	—
36	Sweetie—Pom Red	2.00	1.50	1.00
36	Yellow Gem—Pom Yellow	.35	—	—

DAHLIADEL COLLECTIONS

Positively No Changes in Collections

SIX POMPON DAHLIAS

COLLECTION A	Value \$2.55	ROOTS, \$2.00
Betty Anne	Honey	Mike
Edith Mueller	Little Buddy	Morning Mist

FIVE MINIATURE ID AND CACTUS DAHLIAS

COLLECTION MC	Value \$3.25	ROOTS, \$2.50
Cameo Star	Myall Sonne	Petit Sonne
Jeanie		Snowsprite

SIX MINIATURE FORMAL DECORATIVE DAHLIAS

COLLECTION MD	Value \$4.25	ROOTS, \$3.00
Baby Fonteneau	Ike	Fuzzy Wuzzy
Dearie	Little Lemon Drop	White Fawn

FIVE BALL DAHLIAS

COLLECTION B	Value \$3.25	ROOTS, \$2.50
Charlotte Caldwell	Jean Kerr	Jeep
Clara Clemens		Rosy Dawn

SIX CUT FLOWER DAHLIAS

COLLECTION C-F	Value \$3.50	ROOTS, \$2.75
Francis Larocco	Jersey Beauty	Mrs. James Albin
Gretel	King Peter II	Saarland's Heimkehr

BEGINNERS' SURPRISE

COLLECTION BS	Value \$4.00 to \$6.00	ROOTS, \$2.50
8 named roots tagged, all different. A good assortment of colors and types. Large flowering varieties only. This collection gains in popularity each year as finer varieties are used in it.		

FIVE CACTUS DAHLIAS

COLLECTION C	Value \$3.25	ROOTS, \$2.50
Ballerina	Marietta E.	Mrs. Herbert O'Connor
Jersey Dainty		Zuwn

EIGHT EXHIBITION DAHLIAS

COLLECTION E	Value \$6.25	ROOTS, \$4.50
D-Day	Kirsten Flagstad	Link's Blue Triumph
Flying Fortress	Lady in Red	Victory
Golden Prince		White Winner

SIX BLUE RIBBON DAHLIAS

COLLECTION F	Value \$6.50	ROOTS, \$5.00
Faithful	King David	The Governor
Glamour	Mme. Chiang Kai Shek	Wanda Meade

SIX GRAND DAHLIAS

COLLECTION G	Value \$8.00	ROOTS, \$6.00
Michael Black	Ogden Reid	Salem Sunshine
Oakleigh Champion	Rhythm	September

SIX PRIZE DAHLIAS

COLLECTION H	Value \$11.50	ROOTS, \$9.00
Magnificent	Ray Smith	Silver Tips
Noble Glory	Red Velvet	Victory Eclipse



SUNAPE

MISS LACE

BUNBU

CHOP STIX

NOTICE ON ALL MUM ORDERS

Include 20c for Special Handling on all orders.
We pay regular postage on orders of \$2.00 or over.

Shipping dates April 1 to June 1

NEW QUANTITY DISCOUNTS ON POT PLANTS AND ROOTED CUTTINGS

8 of any one variety — less 10%
20 of any one variety — less 20%

Rooted Cuttings have proved so satisfactory for our customers, as they stand shipment so well, and produce such wonderful plants, that we have reduced the price on many varieties by selling two of a kind for 50c, where plants cost 40c to 50c. In fact all varieties of Mums except the Novelties listed on this page are 2 Rooted Cuttings of a kind for 50c. By selling them only in multiples of two facilitates ordering, booking and shipping, and gives you more for your money. Rooted Cuttings can be planted direct in your garden with partial protection or potted and held for a few weeks before planting.

CHRYSANTHEMUM CULTURE

SOIL PREPARATION. You will find many helpful suggestions on **Soil preparation** and **Fertilizing** in our **Dahlia Culture** which hold good for Mums with the exception that preparation of hills is not recommended. Mums will stand more manure and more water than dahlias will. Mums should never be allowed to suffer for the need of water.

PLANT in well prepared ordinary garden soil 8 to 10 inches apart, in rows 15 inches apart for mass planting. Rows can be 3 to 4 feet apart for cultivating.

When plants are established in the garden and have developed 2 or 3 pairs of mature leaves the center of the main growth should be pinched out. Should you want exhibition blooms in limited numbers, then limit the number of branches to 3 or 4. For Garden Varieties, Pompons, etc., 6 or 8 stems are not too many.

When Mums are planted early and topped out as recommended we find it advantageous to again top out the center growth and main growth branches about July 15th. This will give you a more uniform growth and blooms will open at a uniform time.

CHRYSANTHEMUM NOVELTIES

FIRST FIGURE—Diameter of bloom in inches.
SECOND FIGURE—Height of bush in feet.
DATE—Normal time for plant to be in full bloom.

ANNIVERSARY (Coles 1951), Dec., 3'-2'. Double, extra good, light pink. Rosy buds, faintly buff at center on opening, good growth, good foliage.

Plant, .75; Rooted Cutting, .50

CAROL C. (Coles 1951), Spoon, 3 1/2'-2 1/2', Oct. 12. Light lavender with amaranth tips. Delicate tubular petals with mallow purple, so uniform and facing out in Color Chart. Frost resistant.

Plant, .75; Rooted Cutting, .50

GRAND CANYON (Coles 1951), Spoon, 4'-2', Oct. 8. Magnolia purple to light phlox purple. This is a honey. It reminds one of a Pinwheel as it blooms with its flat flowers, so uniform and facing out in same direction. Wonderful for cut flower.

Plant, \$1.00; Rooted Cutting, .75

LIFE (Conrad Pyle 1950), Dec., 3'-2 1/2'. Bright copper rose showing buff and gold on the edge and center of each petal. A very pretty variety.

Plant, .75; Rooted Cutting, .50

LOVELY NELL (Coles 1951), Spoon, 3 1/2'-2 1/2', Oct. 1. Terra cotta to Naples yellow. Inner row of petals is incurved.

Plant, .75; Rooted Cutting, .50

MASQUERADE (Bristol 1950), Pom, 1'-2', Oct. 15. Bright silvery rose with darker centers. Fine for cutting. Reminds you of Jewel but much hardier.

Plant, .75; Rooted Cutting, .50

McCOMBS WHITE (Rosebud 1950), Pom, 2". A fine white pompon for cutting and exhibiting.

Plant, .75; Rooted Cutting, .50

REMEMBER ME (Coles 1951), Spoon, 3 1/2'-2', Oct. 1. Turkey red shading to jasper red, a gorgeous variety. A beauty much admired. Frost resistant.

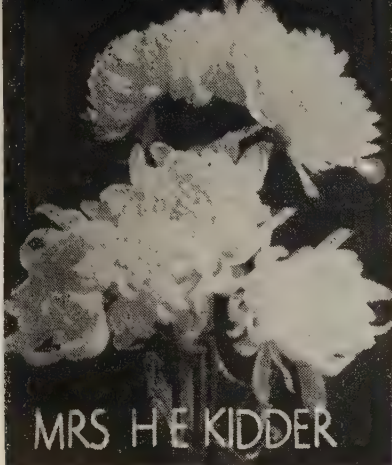
Plant, .75; Rooted Cutting, .50

ROSEMARY (Coles 1951), Spoon, 3 1/2'-3', Oct. 2. Amaranth rose to pastel mauve. Attractive, upright plant.

Plant, .75; Rooted Cutting, .50

44NDI Single, 3 1/2'-2', Sept. 28. U. S. Dept. of Agriculture Seedling. Clear lemon yellow. The best clear yellow single we have seen.

Plant, .75; Rooted Cutting, .50



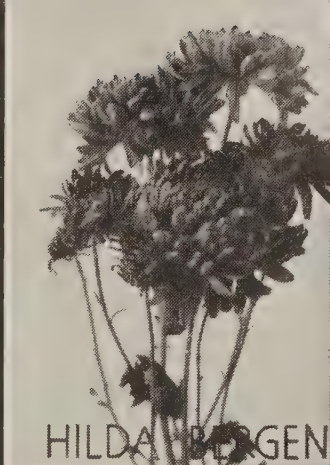
MRS H E KIDDER



GOLD STANDARD



LEDA



HILDA BERGEN

CHRYSANTHEMUMS

SPIDER MUMS

This new type Chrysanthemum is becoming very popular and responds wonderfully well to disbudding. Although they are only semi-hardy, they can be carried over winter with a little protection and if you are in sections where early frosts are prevalent a temporary protection made of waterproof paper sides with a sash on top and a couple of electric light bulbs inside will give the necessary protection for the early damaging frosts for Spiders and other late blooming varieties.

POT PLANTS, 50c each;

ROOTED CUTTINGS, 2 of one variety for 50c

BESS WITT. 4''-2', Oct. 20. Straw yellow shaded apricot bronze. Persian rose showing at tips. Very attractive.

BUNBU. 4''-2', Nov. 1. Soft mallow purple. Petals hooked at tips. Fine for cutting.

KAY TASHIMA. 5''-3', Oct. 25. The best pure white. Centers full. Fish hook tubes. Nice stems.

OHKWAN. 4''-2', Nov. 5. Clear mimosa yellow. Full centered flowers with fish hook tips. Very good.

PAUL MILLER. 6''-3', Nov. 1. Full centers, buff tubes with red face of petals showing on the fish hook tips.

PUNCH BOWL. 5''-2', Nov. 1. Rich burgundy red with very tightly hooked and quilled petals with open tips.

TOKAY. 6''-3', Nov. 1. Clear lilac purple. Very large and fine form.

NEW PRICE on pot plants and rooted cuttings on all varieties listed below and on pages 44 and 45.

Pot Plant, 40c each

Rooted Cuttings, 2 of one variety for 50c

QUANTITY DISCOUNTS on all Mums

8 of any one variety — less 10%
20 of any one variety — less 20%

Include 20c for Special Handling on all Mum orders. We pay regular postage on orders of \$2.00 or over

GREENHOUSE VARIETIES

We have grown all the early blooming popular greenhouse varieties in our fields and have selected the following varieties that do best in outdoor conditions. These greenhouse varieties are not hardy and need winter protection. Blooms will be much larger than sizes indicated, if disbudded.

STANDARD (Large Varieties)

BLAZING GOLD. 4½''-2', Oct. 20. Buttercup yellow, fine form. One of the best.

HILDA BERGEN. 3½''-3', Oct. 25. Cardinal with orange reverse. Best in its color.

JUSTRITE. 4''-2½', Oct. 10. Amaranth rose. Strong stems. Cuts well.

MAJOR BOWES. 4''-2½', Oct. 20. Soft phlox purple shading lighter. Cuts well, fine stems.

MRS. H. E. KIDDER. 3''-2', Oct. 25. Lemon yellow. Semi-hardy, can be wintered with protection.

PINK CHIEF. 4''-2½', Oct. 15. Amaranth rose. Best for cutting in this color.

SILVER SHEEN. 3½''-2', Oct. 20. Pure white. Best white for garden use.

SUNGLOW. 4''-2', Oct. 20. Empire yellow. Nice, compact bush.

POMPON

GOLD COAST. 1½''-2', Oct. 25. Chrome yellow. Clean, vigorous and free growing.

NUGGET. 1½''-2', Oct. 28. Canary yellow. A fine cut flower, good foliage and stems.

PINK PEARL. 1¼''-3', Oct. 20. Amaranth rose, Stems and growth better than Jewel.

PIXIE. 1½''-3', Oct. 28. Straw yellow. Fine long stems good for cutting. Good form.

HARDY GARDEN CHRYSANTHEMUMS

These modern hardy mums are selected for their ability to produce quantities of blooms in general garden conditions. Increasing interest in garden mums is due to recent development of new varieties that bloom safely ahead of frost, while a number of varieties stand the first frost that usually gets the Dahlias. This prolongs the blooming season in your garden by several weeks.

ENGLISH

This new race has the advantage of combining size with hardiness.

We have, however, culled our English Varieties down to the 8 that are really hardy, grow well, and produce blooms of equal general quality with the best American varieties. They can be grown much larger than sizes indicated if disbudded the same as Standard Greenhouse Varieties.

BELLE MAUVE. 2½''-2', Sept. Soft amaranth rose. Disbuds well, is lovely grown in sprays.

CONQUEROR. 3''-3', Oct. 27. Cardinal, buff reverse. Very showy.

ELITE. 2''-2', Oct. Rose pink with a touch of buttercup yellow at center and tips.

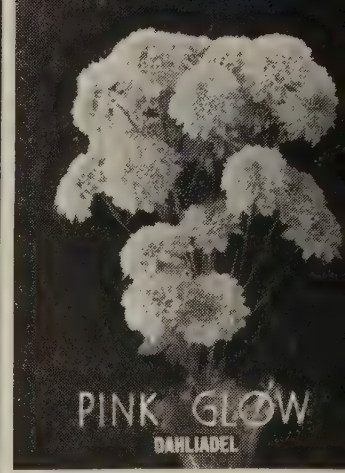
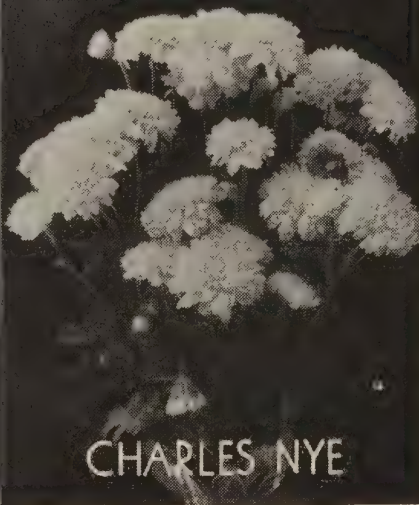
GOLD STANDARD. 4''-3½', Oct. 25. Our largest and best incurved rich lemon yellow.

LEDA. 3''-2½', Oct. 25. Pastel mauve with lighter shadings. Strong, healthy grower.

MARY SUTTERLAND. 2½''-2½', Oct. 28. Magnolia purple, silver reverse and tips. Incurved.

ROSE PRIMROSE. 2½''-2½', Oct. 25. Amaranth rose. Excellent either disbudded or sprays.

TRIXIE. 4''-2½', Oct. 25. Terra Cotta face, amber yellow reverse. Long spiky rolled petals.



HARDY GARDEN CHRYSANTHEMUMS

NOTICE ON ALL MUM ORDERS

Include 20c for Special Handling on all orders.
We pay regular postage on orders of \$2.00 or over.

Shipping dates April 1 to June 1

NEW QUANTITY DISCOUNTS ON
POT PLANTS AND ROOTED CUTTINGS

8 of any one variety — less 10%

20 of any one variety — less 20%

All Chrysanthemums, except Novelties on Page 42
and Spider Mums on Page 43 are:

POT PLANT, 40c each;

ROOTED CUTTINGS, 2 of one variety for 50c

LARGE DECORATIVE

AGLOW. 2½"-1½", Oct. 25. Deep bright orange, very colorful. Fine for cutting.

ALLEGRO. 2"-2", Oct. 10. Light rose to shrimp pink. One of the best for cutting.

ALLEN FELTON (Felton 1947), 1½"-3", Oct. 10. Canary yellow. An excellent garden variety and fine for cutting.

APPLE BLOSSOM (Rosebud 1947), 3"-1½", Sept. 25. Light pink fading to almost white. Cuts well.

AVALANCHE. 3"-1½", Sept. 15. Large full creamy white. A fine cut flower.

AVIATOR. 2"-2½", Oct. 1. Russet orange to coppery red. A very popular variety.

BETTY. 3"-3", Oct. 20. Beautiful soft rose pink. Fine sprays for cutting. Really good.

BURGUNDY. 2"-2", Oct. 15. Soft amaranth red. Stems good for cutting.

CALIPH. 1½"-3", Oct. 10. One of the brightest oxblood reds that does not fade.

CARNIVAL (Bristol 1948), 3½"-2½", Oct. 10. Burnt orange with red and terra cotta shadings. Fine foliage. Very attractive.

CHARLES NYE. 2½"-2", Sept. 25. Rich buttercup yellow. Fully double. Nice sprays.

CHIPPEWA. 2½"-2", Sept. 25. An aster purple, semi-double to double.

CYDONIA. 2"-2", Oct. 20. Reddish burnt orange. Stands frost well.

DREAM GIRL (Floralane 1948), 2½"-2½", Oct. 10. Beautiful amaranth rose, full petaled. A gem in the garden. Fine to cut.

DRIFTED SNOW. 2"-2", Sept. 25. White shading yellow at center. Fine for landscaping.

EMPIRE. 3"-1½", Nov. 1. Incurved bright Spanish orange. A real greenhouse type. Very hardy.

ERMINE (Kraus 1949), 3¼"-2½", Oct. 1. Fully double, white, cream center. Fine for cutting.

EUGENE A. WANDER. 4"-1½", Sept. 15. Chrome yellow, burnt orange suffusion. Very early.

FRED F. ROCKWELL (Bristol), 2"-2", Oct. 10. Bronzy orange. Bright and attractive.

GLITTERING HILLS. 2½"-2", Oct. 1. Golden yellow. Fine for cutting with good foliage and stems.

GOBLIN. 1½"-2", Oct. 25. Ochraceous orange with gold shadings. Wonderful bushes. Cuts well.

GOLDEN SALMON (Rosebud 1947), 4"-2½", Oct. 10. Jasper red, edged and shaded apricot yellow. Fully double.

HARBOR LIGHTS. 2"-2½", Sept. 20. Creamy yellow. A beautiful variety.

HELIOTROPE. 1½"-2", Sept. 25. Lavender mauve with lighter shadings. Very pretty.

HILLTOP GOLD (Rosebud 1947), 3"-2½", Oct. 1. Large golden yellow. Fine to cut. Frost resistant.

HUNTSMAN (Bristol 1949), 3"-2½", Oct. 10. Brilliant scarlet orange, Carnival seedling.

INSPIRATION (Kraus), Oct. 1. Large rich orange red suffused apricot orange, fine for cutting.

JEAN TREADWAY. 2½"-1½", Oct. 20. Beautiful deep mallow pink. Dark center.

LAVENDER LADY. 2½"-1½", Oct. 15. Amaranth rose. Large, and very attractive.

MAGNOLIA. 2"-1½", Oct. 1. Cream with buff shadings. A fine pastel.

MEDITATION (Kraus 1948), 2½"-2½", Oct. 5. Beautiful two-tone soft jasper red and maize yellow softening into a tan color.

MISS LACE (Martin 1949), 3"-2½", Oct. 10. True light lavender pink. Excellent grower, fine for cutting. Fully double.

MRS. P. S. DuPONT III. 2"-2", Oct. 20. Cinnamon buff, rose suffusion. A very attractive pastel.

NATIONAL VELVET (Felton 1947), 2½"-2½", Sept. 25. Beautiful velvety crimson. Good for cutting. (Glorified Red Velvet).

OLIVE LONGLAND. 2"-2½", Oct. 1. Apricot suffused salmon pink. Very attractive.

ORIENTAL GLORY. 2½"-2", Oct. 10. Bright orange red with a bronze reverse. Very good for cutting.

PINK GLOW (Dahl 1947), 1½"-2", Oct. 5. Soft rose pink shading lighter. Fine for cutting. Bushes sturdy and very hardy.

PINK RADIANCE. 3"-2½", Sept. 25. Soft luminous pink. A pleasing pastel.

POLAR ICE. 2"-2", Sept. 20. Pure white, almost a blue white. Fine form, attractive.

RED VELVET. 2"-2½", Oct. 5. Rich velvety crimson. Fine for cutting. Popular.

ROSEBUD (Rosebud 1947), 2½"-2", Oct. 20. Light Persian rose. Beautiful foliage. Fine for cutting.

SEPTEMBER DAWN. 2"-1½", Sept. 25. Soft mallow purple. Fine for cutting.

SYMPHONY. 3"-2½", Oct. 10. Soft Tyrian rose. Large and very showy.

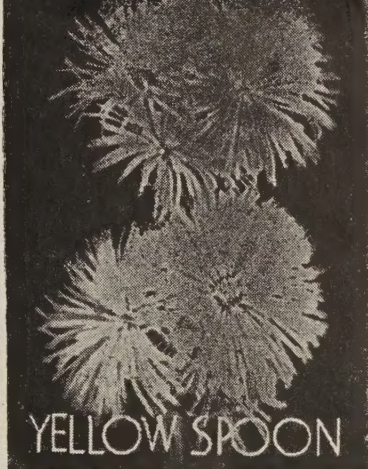
TIFFANY ROSE. 3"-2½", Sept. 20. Light Persian rose with cream undertones. Attractive.

WHITE KNIGHT. 3"-2", Sept. 15. Large clear ivory white. Compact bush.

YELLOW AVALANCHE. 3"-1½", Sept. 15. A soft lemon yellow sport of the popular Avalanche.



SPOONETTE
DAHLIADEL



YELLOW SPOON

HARDY GARDEN CHRYSANTHEMUMS—Cont'd

POPULAR CUSHION

APRICOT GLOW. 2½"-1½", Sept. 1. Rich apricot bronze of fine form.

LAVENDER LASSIE. 1½"-1", Oct. 5. A new pompon Lavender Lady. Color even brighter.

POWDER PUFF (Bristol 1949), Cush., 1½"-1", Sept. 1. Gleaming white mound 2 ft. across.

PUNCHINELLO. 1½"-1½", Sept. 25. Small fully double pompon. Pink with salmon shadings at center.

SALMON CUSHION. 4"-1½", Sept. 15. The largest flowering cushion. Fully double salmon pink.

SEPTEMBER CLOUD. 2"-1½", Sept. 25. Creamy white. Fine grower. Nice for cutting.

SINGLE

ELAINE FELTON. 2½"-2", Sept. 25. Bright red that does not fade. Nice bush and stems.

KRISTINA. 3"-1½", Oct. 25. Beautiful magenta rose. One of the best. Very showy.

MELBA. 3"-3", Nov. 1. Reddish bronze. A good keeper for cutting. Very hardy.

NJORTH. 2"-1½", Sept. 15. Amaranth pink. One of the first to bloom.

NORTH STAR 2"-2", Sept. 15. Pure white. A real white daisy type. Early and very hardy.

RHEINGOLD. 2"-1½", Oct. 10. Spanish orange shaded yellow ochre. Long blooming season.

SENSATION. 2½"-1½", Oct. 18. Currant red with yellow at base of petals. Very showy.

SPOON

BRONZE SPOON. 3"-2", Oct. 15. A new Chinese yellow with a China rose suffusion.

BUFF SPOON. 3"-1½", Oct. 20. Straw yellow with coral pink suffusion. A neutral filler for decorations.

CANARY SPOON (Lehman 1949), 2"-2". Bright yellow, both tubes and spoons same tone.

CHOP STIX (Felton), 2"-2". A beautiful shade of lavender pink. Fine addition to the spoon family.

JASPER SPOON. 2"-1½", Oct. 20. Buff and jasper red. Very unusual.

ORCHID SPOON. 2½"-2", Sept. 20. Pastel mauve or orchid purple. Petals quilled almost to the end.

PINK SPOON. 3"-1½", Oct. 15. Soft amaranth pink. Very popular.

SPOONETTE (Dahl 1947), 2½"-2", Oct. 25. Clear amaranth pink. Smaller flowers and better stems than Pink Spoon.

WHITE SPOON. 3"-1½", Oct. 25. A very pretty white. Healthy grower. Not too hardy.

YELLOW SPOON. 3"-1½", Oct. 25. Lemon yellow. One of the best spoons.



Hardy Garden Chrysanthemums

POMPON

BLONDIE (Dahl 1947), 1½"-2", Oct. 25. Cadmium yellow shading orange at center. Very attractive. Fine for cutting.

CATHERINE COLLINS (Felton 1947), 1½"-2", Oct. 1. Clear lemon yellow. Fine grower.

ERMALINDA. 1¾"-1½", Oct. 25. Soft mallow purple. Very attractive. Fine for cutting.

ETHEL. 1"-2", Nov. 1. Reddish bronze. Very fine late in season.

GOLDEN CARPET (Bristol 1949), Pom, Bush 1 ft. Sept. 15. Golden mound ideal for bedding with Dwarf varieties.

HONEYCOMB. 1¼"-2", Sept. 15. New intense golden yellow. Very pretty and attractive.

IRENE. 1¼"-1½", Oct. 18. White. Good for cutting and border work.

JUDITH ANDERSON. 1"-1½", Oct. 24. Golden yellow. Compact bushes. Very hardy.

LILLIAN DOTY. 2½"-3½", Oct. 24. Light amaranth rose. Long stems for cutting.

MINONG. 1½"-2", Oct. 20. The best commercial white to bloom the end of October.

MODEL O'PERFECTION. 1"-2", Oct. 15. One of the best small white pompons.

OURAY. 1¼"-2", Oct. 25. Bright terra cotta. Very hardy.

PEPITA (Kraus), 1½"-2", Sept. 25. Eggshell white with darker center.

PINOCCHIO. 1"-2", Oct. 25. A new small white suffused and lightly tipped amaranth rose. Fine stems.

PURPLE JEWEL. 1¾"-2½", Oct. 10. Deep purple. Good for cutting. Nice sprays.

RUBY POMPON. 1¾"-2", Oct. 5. A very attractive ruby crimson pompon.

SUNAPE (U of N. H.), Sept. 18. A new golden yellow, fully double. Attractive.

WHITE DOTY. 2"-2½", Oct. 25. Pure ivory white. Long stems for cutting.

CHRYSANTHEMUM COLLECTIONS

12 MUM PLANTS

COLLECTION P Including Special Handling, Postpaid \$5.00
1 each of the following

Bunbu	Avalanche	Bronze Spoon
Ohkwan	Betty	Canary Spoon
Paul Miller	Charles Nye	Blondie
Tokay	Miss Lace	Ermalinda

24 MUM ROOTED CUTTINGS

COLLECTION R Including Special Handling, Postpaid \$5.00
2 each of above 12 varieties

INSECTICIDES

INSECT CONTROL

Since the use of DDT much more red spider and mite have been prevalent on dahlias. We have used DDT, nicotine sulphate, rotenone, and pyrethrum in a spray with fair results. Have used DDT with Hexate with fairly good results but we could not recommend either of these sprays to our customers as they gave only a partial control.

RECOMMENDED INSECT CONTROL

(See Cultural Instructions)

2 heaping tablespoonfuls of 50% wettable BHC

1/3 teaspoonful TAT Hexate

1/2 teaspoonful LINCK WA to each gallon of water. Use the same precaution as when spraying with nicotine sulphate.

TAT BHC contains the new outstanding chemical Benzene Hexachloride. **1½ lbs. BHC, \$1.75 postpaid**, including 4th zone. Add 5c for each additional zone. **4½ lbs. BHC, \$5.00 postpaid**, including 4th zone. Add 10c for each additional zone.

Although it has a somewhat objectionable odor, the results are so far ahead of anything else that you gladly tolerate the musty odor.

TAT HEXATE is a newly formulated compound containing Hexaethyl Tetraphosphate and a wetting, spreading agent. Replaces nicotine sulphate in controlling aphids; also excellent for control of plant mites (such as red spider), and other insects. **6 oz. bottle Hexate, \$2.25 Postpaid.** Only **\$2.00** when ordered with BHC.

VAPOTONE-XX SPRAY. A new organic insecticide containing Tetraethyl Pyrophosphate. This may be substituted for **TAT HEXATE** in above Recommended Insect Control. It has given equal results for us and costs less money. **5 oz., \$1.15; 16 oz., \$3.00 Postpaid.**

LINK WA. A superior wetting agent when using low pressure for spraying. **6 oz. bottle, 50c; 16 oz. bottle, \$1.00**, when ordered with above insecticides.

CORN BORER DUST (Nicotine Bentonite Dust). 4% actual nicotine content with wetting agent added. Four to five applications should be made at five to six day intervals, starting at the time of the first eggs' hatching. Five pounds should take care of 100 to 150 dahlia bushes for four applications (size of bush will vary amount needed). Directions with each package. **5 lbs. Postpaid**, including 4th zone, **\$2.50**; add 10c for each zone beyond 4th; **25 lbs., express collect, \$7.50.**

PYRETHRUM SOAP. A non-poisonous insecticide effective on most insect life and not injurious to animals or plants. Will not burn foliage or buds. A desirable spray for aphids and for thrips and leafhoppers when used with Black Leaf Forty. Four ounces make 4 to 5 gallons of spray. Postpaid, including the 4th zone, **4 oz., 60c; 16 oz., \$1.60; quart, \$2.50; gallon, \$8.00.**



IMPORTED PRUNING SHEARS, 8¾ inches. Double cutting blades make them especially desirable for dividing and trimming dahlia clumps. The same shear we formerly sold, and have used for many years. Suitable for general pruning as well. Subject to availability. **\$6.00; Postpaid, \$6.25.**

DAHLIA SEED

Sow in flats or frames in early spring in light soil, cover the seed not more than one-fourth inch about the same as you would tomato seed, or better still cover seed with vermiculite. When first pair of true leaves are well developed transplant into small pots or flats and grow in cool temperature until they can be planted in the garden. Should they get too large, pinch back and shift to larger pots.

Dahlia seedlings never come true to their parentage, but do usually show some similar characteristics in form, color or bush growth. You cannot grow seedlings of a named variety and produce the same variety.

CACTUS SEED (California grown). From one of the best Dahlia Seed Growers in California. A mixture of fine large varieties. **20 Seed, \$1.00; 100 Seed, \$5.00**

SEMI-CACTUS AND DECORATIVE SEED (California grown). From fine large parents in a good mixture. **20 Seed, \$1.00; 100 Seed, \$5.00**

CACTUS, SEMI-CACTUS AND DECORATIVE MIXED SEED (California grown). Same as above. **20 Seed, \$1.00; 100 Seed, \$5.00**

COLLARETTE SEED (Dahliadel grown). Should produce mostly Collarettes and Singles. **35 Seed, \$1.00**

ORCHID FLOWERING SEED (Dahliadel grown). Produces mostly Orchid flowering dahlias for us. **35 Seed, \$1.00**

SINGLE SEED (Dahliadel Grown). Saved from our finest Single dahlias. If you want a mass of mixed colors in your garden, try some. **35 Seed, \$1.00**

COLLARETTE, ORCHID AND SINGLE SEED MIXED (Dahliadel grown). Same as above. **35 Seed, \$1.00**

HORTICULTURAL COLOUR CHART

(Published by the Royal Horticultural Society of England)

This Chart is in two volumes with 100 loose sheets in each, and four color tones on each sheet. It has the most complete range of colors with the exception of autumns which have been added in the Dahliadel Pocket Edition. It has the best colors of any Chart published for Horticultural use. The color names are nearly all in common usage.

Complete Chart of 2 Volumes, \$12.50

Sheets punched and each Volume in a Loose Leaf Binder Complete..... \$14.00

Above Horticultural Chart with 2/3 of the color blocks cut out that are used in the Pocket Edition (635 blocks untouched, 165 with 1/3 block left in) in 2 Loose Leaf Binders \$ 7.00

DAHLIADEL POCKET EDITION

DAHLIADEL POCKET EDITION of the **HORTICULTURAL COLOUR CHART** contains 175 color blocks arranged in the spectrum order, primarily for the American Dahlia Society with a definite color range on each set of pages. Autumns have been added to make the color range more complete. It is a complete chart for other flowers with the addition of violets, and the omission of the greens and a few blues.

Darker shades are in columns to the right with lighter tints to the left. Pages are covered with Cellophane and in a standard 6¾ x 3¾ binder. **Pocket Edition in Loose Leaf Binder, including 50 New Dahliadel Score Sheets, \$15.00.**

Dahliadel Pocket Edition with the above Horticultural Chart with 2/3 of the color blocks cut out when ordered together.... \$20.00

OFFICIAL DAHLIA CLASSIFICATIONS

Size Divisions of Dahlias

The various types are recognized in three general size groups, i.e.:

"A" or Large, over 8 inches in diameter

"B" or Medium, 4 to 8 inches in diameter

"M" or Miniature, under 4 inches in diameter.

The exception to the above size groups are the Pompons, which must be under 2 inches, and Miniature Ball Dahlias, 2 to 4 inches in diameter.

Formation or Type Classification

SINGLE DAHLIAS: Open-centered flowers, with only one row of ray florets, with the margins flat or nearly so, regardless of the number of florets. For example, *Pequot Yellow*, *Purity*.

MIGNON: The plants do not exceed about eighteen inches in height. *Coltness Gem*, *Torquay Gem*.

ORCHID-FLOWERING DAHLIAS: Flowers as in Single Dahlias except that the rays are more or less tubular by the involution of the margins. *Dahliadel Twinkle*, *Imp*.

ANEMONE DAHLIAS: Open-centered flowers, with only one row of ray florets, regardless of form or number of the florets, with the tubular disc florets elongated, forming a pincushion effect. *Croix du Sud*, *Robijn*.

COLLARETTE DAHLIAS: Open-centered flowers, with only one row of ray florets, with the addition of one or more rows of petaloids, usually of a different color, forming a collar around the disc. *Sparkle*, *Tribune*.

PEONY DAHLIAS: Open-centered flowers with two to five rows of ray florets with or without the addition of smaller curled or twisted floral rays around the disc. *Susan Coe*, *The U. S. A.*

CACTUS DAHLIAS — INCURVED CACTUS DAHLIAS: Fully double flowers, with the margins of the majority of the floral rays fully revolute for one-half or more of their length and the tips of the rays curving toward the center of the flower. *Crowning Glory*, *Goulburn*, *Miss Ohio*, *Nightfall*.

STRAIGHT CACTUS DAHLIAS: Fully double flowers, with the margins of the majority of the floral rays fully revolute for one-half their length or more, the rays being straight, slightly involute or recurved. *Marietta E.*, *Miss Belgium*, *Zenith*.

SEMI-CACTUS DAHLIAS: Fully double flowers, with the margins of the majority of the floral rays fully revolute for less than half their length and the rays broad below. *Amelia Earhart*, *Edith Willkie*, *Greater Glory*, *Jane Lausche*, *Miss Elsie Jane*.

FORMAL DECORATIVE DAHLIAS: Fully double flowers, with the margins of the floral rays slightly or not at all revolute, the rays generally broad, either pointed or rounded at tips, with outer rays tending to recurve and central rays tending to be cupped; and the majority of all floral rays in a regular arrangement. *Commando*, *Five Star General*, *Haslerova*, *Jersey Beauty*, *Marshall A. Howe*.

INFORMAL DECORATIVE DAHLIAS: Fully double flowers, with the margins of the majority of the floral rays slightly or not at all revolute, the rays generally long, twisted or pointed and usually irregular in arrangement. *Glamour*, *Jane Cowl*, *Joan Ferenz*, *Katie K.*, *Murphy's Masterpiece*.

BALL DAHLIAS: Fully double flowers, ball shaped or slightly flattened, floral rays blunt or round at tips and quilled or with margins involute for more than half the length of the ray in spiral arrangement, the flowers 4 inches or more in diameter. *Mary Helen*, *Rosy Dawn*, *Supt. Amrhyn*.

MINIATURE DAHLIAS: All Dahlias which normally produce flowers that do not exceed four inches in diameter, pompons excluded, to be classified according to the foregoing descriptions. **MINIATURE SINGLE:** *Fugi San*, *Prince of Bulgaria*. **MINIATURE PEONY:** *Bishop of Llandaff*, *Pink Lassie*. **MINIATURE STRAIGHT CACTUS:** *Betsy T.*, *Kay*. **MINIATURE SEMI-CACTUS:** *Little Diamond*, *Snowsprite*. **MINIATURE FORMAL DECORATIVE:** *Buckeye Baby*, *Little Lemon Drop*, *White Fawn*. **MINIATURE INFORMAL DECORATIVE:** *Chico*, *Jubilant*, *Rapture*. **MINIATURE BALL:** *Dusky*.

POMPON DAHLIAS: Having same characteristics as Ball Dahlias but, for show purposes, not more than two inches in diameter. *Atom*, *Betty Malone*, *Ila*, *Johnny*, *Little Edith*, *Mrs. J. Telfer*.

DWARF DAHLIAS: Term that applies to plant size without regard to the characteristics of the blooms.

ORDER EARLY

Early orders will help us in booking your order and reserving the stock for you and thus schedule it for the proper shipping time. Do not send us an order at the height of our shipping season and expect delivery in 3 to 5 days. The orders booked weeks and months ahead that are scheduled for specific shipping dates will go out first and the last minute orders will follow as soon as we can get them off.

On late orders, kindly give a second choice. Owing to the shortage of stock, on some varieties, kindly indicate on your order whether or not you want us to substitute.

DAHLIA GROWERS' SUPPLIES

DAHLIADEL DIP. A mixture of Sulphur and Talc for dipping cut portions of dahlia roots when dividing. **13¼ lbs. for 40c; 4 lbs. for 70c;** postpaid 4th zone; add 5c or 10c respectively for each zone beyond 4th.

WOOD TREE LABELS. 5/8 x 3½" copper wired. **Painted—75c per 100; \$4.95 per 1000.** Plain (not painted)—65c per 100; \$4.20 per 1000; postpaid, including 4th zone, add 10c for each additional zone on 1000 lots.

WOOD PLANT LABELS. 5/8 x 10". **Painted—\$1.15 per 100; \$2.60 per 250; \$9.25 per 1000.** Plain (not painted)—\$1.00 per 100; \$2.25 per 250; \$8.00 per 1000; postpaid, including 4th zone, add 20c for each additional zone on 1000 lots; 5c on 250 lots.

SPECIAL DAHLIA PRUNER KNIFE. An inexpensive knife with a good blade suitable for dividing roots and cutting blooms. Available in Hook Blade only. Postpaid, **60c; 2 for \$1.00.**

SCORE SHEETS. American Dahlia Society official trial garden score sheets used at all the official trial gardens. **100 sheets, punched, postpaid, 75c; 300 sheets, punched, postpaid, \$2.00.**

DAHLIADEL SCORE SHEETS. A simplified A.D.S. Score Sheet, printed 2 on a page. Sample on request. Price same as A.D.S. Score Sheets.

NEW DAHLIADEL SCORE SHEETS. A simplified system of making Dahlia Records, arranged so it may be easily used by the novice, and also make all the records necessary for the Dahlia enthusiast, professional or even the commercial grower. This system allows you to record 10 varieties on one page 4 x 6¾", punched for standard loose leaf binder, the Dahliadel Color Chart size. Send for Sample Sheet. **NEW DAHLIADEL SCORE SHEETS** are now available **50 for 60c; 100 sheets \$1.00,** Postpaid.

POTASH. Still not available.

JOIN THE AMERICAN DAHLIA SOCIETY

An invitation is extended to all those interested in dahlias to join the **American Dahlia Society** and become a part of this great National organization whose activities are devoted to the improvement and development of the Dahlia.

Should you belong to your local Dahlia Society it is possible for you to get your society to become a branch of the A. D. S., and in this way get the Bulletin at a reduced rate. Send to Secretary for information.

The articles alone in the Quarterly Bulletin are worth much more than the dues, as you will learn news about the Dahlia from all parts of the country from the different contributors. A new feature is a report on the A. D. S. Seedling Sweepstakes Winners by Lynn B. Dudley.

Membership includes admission and the privilege of exhibiting in the National Show held each September in New York City. The N. Y. Show will be held at Essex House, September 18th and 19th, 1951.

There are 6 Official Trial Grounds in different parts of the country where new varieties are tested and scored each year. Full reports from the Shows and the Trial Grounds are published in the Bulletin yearly.

Membership Application

THE AMERICAN DAHLIA SOCIETY, INC.

A. J. MULCAHY, Secretary

20 MARSHALL AVENUE

FLORAL PARK, L. I., N. Y.

Enclosed \$3.50 for one year Membership. Send copy of the Bulletin.

Proposed by DAHLIADEL.

Name

Address

City & State.....

CANADIAN CUSTOMERS

Please obtain your special permit from Secretary, Department of Agriculture, Ottawa, Ont., when ordering dahlias, as we must have the permit mentioned before we can ship your order.

NEW DISCOUNTS ON DAHLIAS

QUANTITY DISCOUNT ON ROOTS, POT ROOTS, PLANTS AND ROOTED CUTTINGS

Three of any one variety.....	Less 10%
Six of any one variety.....	Less 20%
Twenty of any one variety.....	Less 25%

The above quantity discounts do not apply to Special Offers, Collections or Chrysanthemums.

GUARANTEE

All Dahlia Roots, Pot Roots and Plants are guaranteed healthy and true to name to the extent of replacement with true stock. Roots or pot roots that fail to start in three weeks will be replaced if returned. **POTASH FED DAHLIAS** give such universal satisfaction that we guarantee this year's **Dahlia del Introductions** to prove entirely satisfactory to the extent of replacement with the same variety or one of any other of equal value from the following season's catalog. Satisfaction and safe delivery guaranteed.

NOTICE ON GREEN PLANT AND ROOTED CUTTING SHIPMENTS

Plants will be shipped from April 15th to July 15th, while Rooted Cuttings can be shipped 2 weeks earlier but neither can be sent C.O.D., as this causes delay. When roots and plants are ordered together, roots will be held and shipped with the plants unless otherwise specified. **35 CENTS MUST BE INCLUDED WITH ALL PLANT AND ROOTED CUTTING ORDERS TO COVER SPECIAL DELIVERY** except where there is no special delivery service at post office of destination; in which case, send **20 CENTS FOR SPECIAL HANDLING**. We pay all regular postage on orders of \$2.00 or over. We do not guarantee safe delivery unless plants or rooted cuttings are shipped as above.

TERMS AND DELIVERY

Orders will be filled with strong, field-grown root divisions unless pot roots, green plants or rooted cuttings are specified. We will notify you if unable to supply any variety, as we rarely substitute without instructions to do so. Kindly mention whether or not substitution is desired.

CASH WITH ORDER. Remit by check, money order or cash by registered mail. **Do not send cash by mail unless you have it registered.** Root orders will be shipped according to the growing season of the customer, which in most cases is between April 15th and July 1st. Shipment is prepaid and usually sent by Parcel Post. On C.O.D. shipments the customer pays the C.O.D. charges. We pay all regular postage on orders of \$2.00 or over, except foreign orders. On orders under \$2.00 there is a charge of 20c for regular postage and packing.

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DAHLIADEL

WARREN W. MAYTROT

VINELAND, N. J.

Phone: Vineland 7-1051